



碧云天生物技术/Beyotime Biotechnology  
 订货热线: 400-1683301或800-8283301  
 订货e-mail: order@beyotime.com  
 技术咨询: info@beyotime.com  
 网址: http://www.beyotime.com

## Cy3标记山羊抗小鼠IgG (H+L)

产品编号	产品名称	包装
A0521	Cy3标记山羊抗小鼠IgG (H+L)	100μl

### 产品简介:

- 本Cy3标记山羊抗小鼠IgG (H+L) (Cy3-labeled Goat Anti-Mouse IgG (H+L))为进口分装, 用于免疫荧光染色。
- Cy3是近年新开发的一种红色荧光探针。它比绝大部分其它的红色荧光探针更加明亮, 更加不容易淬灭, 而且背景更低。Cy3的吸收(激发)和发射峰参见下表。

Fluorophore	Absorption Peak (nm)	Emission Peak (nm)
Cy3	550	570

- 本抗体为用纯化的小鼠IgG免疫山羊, 然后用亲和纯化柱对获得的抗血清进行纯化, 并经过人IgG吸附纯化的优质二抗。对人IgG几乎没有结合能力。
- 本Cy3标记山羊抗小鼠IgG (H+L)用于免疫荧光染色时的推荐稀释比例为1:500。实际实验操作过程中需根据抗原和抗体的具体情况适当调节荧光标记二抗的稀释比例, 推荐的调节范围为1:200-1000。
- 本抗体如果用于常规的免疫染色, 以每次检测需1毫升1:500稀释的荧光标记二抗计, 至少可以检测50次。如果适当重复使用已经使用过的荧光标记二抗, 至少可以多检测150-250次。

### 包装清单:

产品编号	产品名称	包装
A0521	Cy3标记山羊抗小鼠IgG (H+L)	100μl
—	说明书	1份

### 保存条件:

-20°C避光保存, 一年有效。

### 注意事项:

- 本产品仅限于专业人员的科学研究用, 不得用于临床诊断或治疗, 不得用于食品或药品, 不得存放于普通住宅内。
- 为了您的安全和健康, 请穿实验服并戴一次性手套操作。

### 使用说明:

1. 免疫荧光染色请参考相关实验步骤进行。起始稀释浓度按照产品简介中推荐的稀释比例进行稀释。
2. 如果希望重复使用稀释的荧光标记二抗, 稀释的荧光标记二抗4°C保存。

### 使用本产品的文献:

1. Ouyang Q, Gong X, Xiao H, Zhou J, Xu M, Dai Y, Xu L, Feng H, Cui H, Yi L. . Neurotensin promotes the progression of malignant glioma through NTSR1 and impacts the prognosis of glioma patients. Mol Cancer. 2015 Feb 3;14:21.
2. Wen-Juan Li, Yao-Hui He, Jing-Jing Yang, Guo-Sheng Hu, Yi-An Lin, Ting Ran, Bing-Ling Peng, Bing-Lan Xie, Ming-Feng Huang, Xiang Gao, Hai-Hua Huang, Helen He Zhu, Feng Ye, Wen Liu . Profiling PRMT methylome reveals roles of hnRNPA1 arginine methylation in RNA splicing and cell growth Nat Commun. 2021 Mar 29;12(1):1946.
3. Song Xue, Fan Zhou, Tian Zhao, Huimin Zhao, Xuwei Wang, Long Chen, Jin-Ping Li, Shi-Zhong Luo . Phase separation on cell surface facilitates bFGF signal transduction with heparan sulphate Nat Commun. 2022 Mar 2;13(1):1112.
4. Feng Zhu, Hong Zheng, Suilin Chen, Kun Zhang, Xin Qin, Jingru Zhang, Taiping Liu, Yongling Fan, Liting Wang, Xiaoxu Li, Jian Zhang, Wenyue Xu . Malaria oocysts require circumsporozoite protein to evade mosquito immunity Nat Commun. 2022 Jun 9;13(1):3208.
5. Zhang C, Peng Y, Wang F, Tan X, Liu N, Fan S, Wang D, Zhang L, Liu D, Wang T, Wang S, Zhou Y, Su Y, Cheng T, Zhuang Z, Shi C. . A synthetic cantharidin analog for the enhancement of doxorubicin suppression of stem cell-derived aggressive sarcoma. Biomaterials. 2010 Dec;31(36):9535-43.
6. Zhiyue Su, Zelong Sun, Zhao Wang, Shengjie Wang, Yuxin Wang, Ersuo Jin, Chang Li, Jun Zhao, Zeyi Liu, Zhengyu Zhou, Yong Wang, Xiaoyan Chen, Xia Liu, Zhe Lei, Hong-Tao Zhang . TIF1γ inhibits lung adenocarcinoma EMT and metastasis by interacting with the TAF15/TBP complex Cell Rep. 2022 Oct 18;41(3):111513.
7. Hanxing Wan, Nannan Gao, Wei Lu, Cheng Lu, Jun Chen, Yimin Wang, Hui Dong . NCX1 coupled with TRPC1 to promote gastric cancer via Ca2+/AKT/β-catenin pathway Oncogene. 2022 Aug;41(35):4169-4182.
8. Yang L, Li H, Jiang Y, Zuo J, Liu W. . Inhibition of mortalin expression reverses cisplatin resistance and attenuates growth of ovarian cancer cells. Cancer Lett. 2013 Aug 9;336(1):213-21.
9. Huaqing Zheng, Xiaolong Li, Xin Zeng, Chengcui Huang, Mingming Ma, Xiaofei Lv, Yajuan Zhang, Lu Sun, Guanlei Wang, Yanhua Du, Yongyuan Guan . TMEM16A inhibits angiotensin II-induced basilar artery smooth muscle cell migration in a WNK1-dependent manner Acta Pharm Sin B. 2021 Dec;11(12):3994-4007.
10. Hu JY, Chu ZG, Han J, Dang YM, Yan H, Zhang Q, Liang GP, Huang YS. . The

- p38/MAPK pathway regulates microtubule polymerization through phosphorylation of MAP4 and Op18 in hypoxic cells. *Cell Mol Life Sci*. 2010;67(2):321-33.
11. Yan Zeng, Shuai Xu, Yanli Wei, Xuegang Zhang, Qian Wang, Yane Jia, Wanbing Wang, Lu Han, Zhaoshan Chen, Zhengxiang Wang, Bo Zhang, Hualan Chen, Cao-Qi Lei, Qiyun Zhu . The PB1 protein of influenza A virus inhibits the innate immune response by targeting MAVS for NBR1-mediated selective autophagic degradation *PLoS Pathog*. 2021 Feb 12;17(2):e1009300.
  12. Jingfu Bao, Yinghui Lu, Qinying She, Weijuan Dou, Rong Tang, Xiaodong Xu, Mingchao Zhang, Ling Zhu, Qing Zhou, Hui Li, Guohua Zhou, Zhongzhou Yang, Shaolin Shi, Zhihong Liu, Chunxia Zheng . MicroRNA-30 regulates left ventricular hypertrophy in chronic kidney disease *JCI Insight*. 2021 May 24;6(10):e138027.
  13. Xu SC, Chen YB, Lin H, Pi HF, Zhang NX, Zhao CC, Shuai L, Zhong M, Yu ZP, Zhou Z, Bie P . Damage to mtDNA in liver injury of patients with extrahepatic cholestasis: the protective effects of mitochondrial transcription factor A. *FREE RADICAL BIO MED*. 2012 May 1;52(9):1543-51.
  14. Xu M, Yang L, Rong JG, Ni Y, Gu WW, Luo Y, Ishidoh K, Katunuma N, Li ZS, Zhang HL . Inhibition of cysteine cathepsin B and L activation in astrocytes contributes to neuroprotection against cerebral ischemia via blocking the tBid-mitochondrial apoptotic signaling pathway. *Glia*. 2014 Jun;62(6):855-80.
  15. Haiyan Zhao, Yun Guo, Yue Sun, Na Zhang, Xiaofei Wang . miR-181a/b-5p ameliorates inflammatory response in monocrotaline-induced pulmonary arterial hypertension by targeting endocan *J Cell Physiol*. 2020 May;235(5):4422-4433.
  16. Yu-Ling Sun, Tao Bai, Lin Zhou, Rong-Tao Zhu, Wei-Jie Wang, Ruo-Peng Liang, Jian Li, Chi-Xian Zhang, Jian-Jun Gou . SOD3 deficiency induces liver fibrosis by promoting hepatic stellate cell activation and epithelial-mesenchymal transition *J Cell Physiol*. 2021 Jun;236(6):4313-4329.
  17. Lian Zhu, Jia-Lin Liu, Jiang-Tao Yang, Ding-Wei Wu, Na Xu, Kai-Fu Huo, Hai-Bo Wang . PD-1 engineered cytomembrane cloaked molybdenum nitride for synergistic photothermal and enhanced immunotherapy of breast cancer *J Mater Chem B*. 2022 Nov 16;10(44):9249-9257.
  18. Baohua Tan, Sheng Wang, Shanshan Wang, Jiekang Zeng, Linjun Hong, Zicong Li, Jie Yang, Gengyuan Cai, Enqin Zheng, Zhenfang Wu, Ting Gu . Genome-Wide Analysis of H3K27me3 in Porcine Embryonic Muscle Development *Front Cell Dev Biol*. 2021 Nov 5;9:739321.
  19. Di Tian, Yanmei Xing, Wenli Gao, Hongyan Zhang, Yifeng Song, Ya Tian, Zhongliang Dai . Sevoflurane Aggravates the Progress of Alzheimer's Disease Through NLRP3/Caspase-1/Gasdermin D Pathway *Front Cell Dev Biol*. 2022 Jan 19;9:801422.
  20. Zhang Z, Lu H, Huan F, Meghan C, Yang X, Wang Y, Wang X, Wang X, Wang SL . Cytochrome P450 2A13 mediates the neoplastic transformation of human bronchial epithelial cells at a low concentration of aflatoxin B1. *Int J Cancer*. 2014 Apr 1;134(7):1539-48.
  21. Zhang S, Li P, Yuan Z, Tan J . Platelet-rich plasma improves therapeutic effects of menstrual blood-derived stromal cells in rat model of intrauterine adhesion. *Stem Cell Res Ther*. 2019 Feb 15 10(1):61.
  22. Liao H, Huang W, Schachner M, Guan Y, Guo J, Yan J, Qin J, Bai X, Zhang L . Beta 1 integrin-mediated effects of tenascin-R domains EGFL and FN6-8 on neural stem/progenitor cell proliferation and differentiation in vitro. *J Biol Chem*. 2008 Oct 10;283(41):27927-36.
  23. Li W, Wang G, Zhang H, Zhang D, Zeng J, Chen X, Xu Y, Li K . Differential suppressive effect of promyelocytic leukemia protein on the replication of different subtypes/strains of influenza A virus. *BIOCHEM BIOPH RES CO*. 2009 Nov 6;389(1):84-9.
  24. Shen LM, Liu Q, Ni JZ . Comparative proteomics analysis of lanthanum citrate complex-induced apoptosis in HeLa cells. *Science in China Series B: Chemistry*. 2009 Nov; 52(11):1814-1820.
  25. Wang QL, Yuan JL, Tao YY, Zhang Y, Liu P, Liu CH . Fuzheng Huayu recipe and vitamin E reverse renal interstitial fibrosis through counteracting TGF-beta1-induced epithelial-to-mesenchymal transition. *J Ethnopharmacol*. 2010;127(3):631-40.
  26. Wang QL, Tao YY, Yuan JL, Shen L, Liu CH . Salvianolic acid B prevents epithelial-to-mesenchymal transition through the TGF-beta1 signaltransduction pathway in vivo and in vitro. *BMC Cell Biol*. 2010 May 5;11:31.
  27. Yang HB, Yang X, Cao J, Li S, Liu YN, Suo ZW, Cui HB, Guo Z, Hu XD . cAMP-dependent protein kinase activated Fyn in spinal dorsal horn to regulate NMDA receptorfunction during inflammatory pain. *J Neurochem*. 2011 Jan;116(1):93-104.
  28. Wu Y, He Z, Zhang L, Jiang H, Zhang W . Ontogeny of immunoreactive Lh and Fsh cells in relation to early ovarian differentiation anddevelopment in protogynous hermaphroditic ricefield Eel *Monopterus albus*. *Biol Reprod*. 2012 Mar 30;86(3):93.
  29. Li Y, Li C, Chen Z, He J, Tao Z, Yin ZQ . A microRNA, mir133b, suppresses melanopsin expression mediated by failure dopaminergic amacrine cells inRCS rats. *Cell Signal*. 2012 Mar;24(3):685-98.
  30. Peng X, Yuan S, Tan J, Ma B, Bian X, Xu C, He W, Cao H, Huang Z, Cui Y, Gan C, Wang X, Zhou J, Hu J, Yang S, Luo G, Wu J . Identification of ITGB4BP as a new interaction protein of P311. *Life Sci*. 2012 Apr 20;90(15-16):585-90.
  31. Wu Q, Cao M, Wang T, Jiang P, Zhou K . Downregulation of cAMP response element-binding protein by lentiviral vector-mediated RNAiattenuates morphine withdrawal syndromes in rats. *Behav Brain Res*. 2012 May 2;233(1):217-223.
  32. Li W, Zhang H, Wang G, Zhang C, Zeng X, Liu H, Chen X, Xu Y, Li K . Heterologous interactions between NS1 proteins from different influenza A virus subtypes/strains. *Sci China Life Sci*. 2012 Jun;55(6):507-15.
  33. Huo SJ, Li YC, Xie J, Li Y, Raisman G, Zeng YX, He JR, Weng CH, Yin ZQ . Transplanted Olfactory Ensheathing Cells Reduce Retinal Degeneration in Royal College of Surgeons Rats. *Curr Eye Res*. 2012 Aug;37(8):749-58.
  34. Wang H, Fang F, Yi J, Xiang Z, Sun M, Jiang H . Establishment and assessment of the perinatal mouse facial nerve axotomy model via a subauricular incisionapproach. *EXP BIOL MED*. 2012 Nov 1;237(11):1249-55.
  35. Qiu C, Hong Y, Cao Y, Wang F, Fu Z, Shi Y, Wei M, Liu S, Lin J . Molecular cloning and characterization of glutamine synthetase, a tegumental protein from *Schistosomajaponicum*. *Parasitol Res*. 2012 Dec;111(6):2367-76.
  36. Cao Y, Zhao B, Han Y, Zhang J, Li X, Qiu C, Wu X, Hong Y, Ai D, Lin J, Fu Z . Gene gun bombardment with DNA-coated golden particles enhanced the protective effect of a DNA vaccine based on thioredoxin glutathione reductase of *Schistosoma japonicum*. *Biomed Res Int*. 2013;2013:952416.
  37. Shi Y, Jing W, Li W, Yang W, Ma X, Ma M, Lei A . Adenosine diphosphate-ribosylation factor 1 controls spindle assembly during first meiotic division in bovine oocytes. *AFR J BIOTECHNOL*. 2013 Jan;Vol 12(4):336-344.
  38. Yang Y, Lin P, Chen F, Wang A, Lan X, Song Y, Jin Y . Luman recruiting factor regulates endoplasmic reticulum stress in mouse ovarian granulosa cell apoptosis. *Theriogenology*. 2013 Mar 1;79(4):633-9.e1-3.
  39. Min D, Guo F, Zhu S, Xu X, Mao X, Cao Y, Lv X, Gao Q, Wang L, Chen T, Shaw C, Hao L, Cai J . The alterations of Ca2+/calmodulin/CaMKII/CaV1.2 signaling in experimental models of Alzheimer's disease andvascular dementia. *Neurosci Lett*. 2013 Mar 22;538:60-5.
  40. Zeng J, Wang G, Li W, Zhang D, Chen X, Xin G, Jiang Z, Li K . Induction of cytopathic effect and cytokines in coxsackievirus B3-infected murine astrocytes. *Virology*. 2013 May 21;10(1):157.
  41. Chen K, Zhang J, Zhang W, Zhang J, Yang J, Li K, He Y . ATP-P2X4 signaling mediates NLRP3 inflammasome activation: a novel pathway of diabetic nephropathy. *INT J BIOCHEM CELL B*. 2013 May;45(5):932-43.
  42. Cui Z, Lin D, Cheng F, Luo L, Kong L, Xu J, Hu J, Lan F . The role of the WWOX gene in leukemia and its mechanisms of action. *Oncol Rep*. 2013 Jun;29(6):2154-62.
  43. Li Q, Zhang Z, Li Z, Zhou M, Liu B, Pan L, Ma Z, Zheng Y . ADAM17 Is Critical for Multipolar Exit and Radial Migration of Neuronal Intermediate Progenitor Cells in MiceCerebral Cortex. *PLoS One*. 2013 Jun 3;8(6):e65703.
  44. Yang X, Zhang Z, Wang X, Wang Y, Zhang X, Lu H, Wang SL . Cytochrome P450

- 2A13 enhances the sensitivity of human bronchial epithelial cells to aflatoxin B1-induced DNAdamage. *TOXICOL APPL PHARM* . 2013 Jul 15;270(2):114-21.
45. Zhang X, Zhang Y, Li Y. .  $\beta$ -elemene decreases cell invasion by upregulating E-cadherin expression in MCF-7 human breast cancer cells. *Oncol Rep*. 2013 Aug;30(2):745-50.
46. Zhang B, Cui S, Bai X, Zhuo L, Sun X, Hong Q, Fu B, Wang J, Chen X, Cai G. . SIRT3 overexpression antagonizes high glucose accelerated cellular senescence in human diploid fibroblasts via the SIRT3-FOXO1 signaling pathway. *AGE*. 2013 Dec;35(6):2237-53.
47. Wang C, Fang M, Zhang M, Li W, Guan H, Sun Y, Xie S, Zhong X. . The positive correlation between DJ-1 and  $\beta$ -catenin expression shows prognostic value for patients with glioma. *Neuropathology*. 2013 Dec;33(6):628-36.
48. Yin S, Wu H, Lv J, Wu X, Zhang Y, Du J, Zhang Y. . SHP-1 arrests mouse early embryo development through downregulation of Nanog by dephosphorylation of STAT3. *PLoS One*. 2014 Jan 21;9(1):e86330.
49. Ma M, Zhao K, Wu W, Sun R, Fei J. . Dynamic expression of N-myc in mouse embryonic development using an enhanced green fluorescent protein reporter gene in the N-myc locus. *Dev Growth Differ*. 2014 Feb;56(2):152-60.
50. Jin Y, Sun C, Feng L, Li P, Xiao L, Ren Y, Wang D, Li C, Chen L. . Regulation of SIV antigen-specific CD4+ T cellular immunity via autophagosome-mediated MHC II molecule-targeting antigen presentation in mice. *PLoS One*. 2014 Mar 26;9(3):e93143.
51. Tang C, Yang L, Jiang X, Xu C, Wang M, Wang Q, Zhou Z, Xiang Z, Cui H. . Antibiotic drug tigecycline inhibited cell proliferation and induced autophagy in gastric cancer cells. *BIOCHEM BIOPH RES CO*. 2014 Mar 28;446(1):105-12.
52. Zhang S, Sun Y, Chen H, Dai Y, Zhan Y, Yu S, Qiu X, Tan L, Song C, Ding C. . Activation of the PKR/eIF2 $\alpha$  signaling cascade inhibits replication of Newcastle disease virus. *Virology*. 2014 Mar 31;11:62.
53. Chen X, Deng A, Zhou T, Ding F. . Pretreatment with 2-(4-methoxyphenyl)ethyl-2-acetamido-2-deoxy- $\beta$ -D-pyranoside attenuates cerebral ischemia/reperfusion-induced injury in vitro and in vivo. *PLoS One*. 2014 Jul 3;9(7):e100126.
54. Lu H, Zhang S, Liu Q, Zhang L, Zhang W. . Cytoplasmic Localization of Lrh-1 Down-Regulates Ovarian Follicular cyp19a1a Expression in a Teleost, the Orange-Spotted Grouper *Epinephelus coioides*. *Biol Reprod*. 2014 Aug;91(2):29.
55. Li H, Zhang X, Zeng S, Chen L, Li X, Lin C, Zhang M, Shu S, Xie S, He Y, Yang L, Tang S, Fu X. . The cellular localization of Na<sup>+</sup>/H<sup>+</sup> exchanger 1, cystic fibrosis transmembrane conductance regulator, potassium channel, epithelial sodium channel  $\gamma$  and vacuolar-type H<sup>+</sup>-ATPase in human eccrine sweat glands. *Acta Histochem*. 2014 Oct;116(8):1237-43.
56. Cheng J, Sun Y, Zhang X, Zhang F, Zhang S, Yu S, Qiu X, Tan L, Song C, Gao S, Wu Y, Ding C. . Toll-like receptor 3 inhibits Newcastle disease virus replication through activation of pro-inflammatory cytokines and the type-1 interferon pathway. *Arch Virol*. 2014 Nov;159(11):2937-48.
57. Li D, Wang X, Lan X, Li Y, Liu L, Yi J, Li J, Sun Q, Wang Y, Li H, Zhong N, Holmdahl R, Lu S. . Down-regulation of miR-144 elicits proinflammatory cytokine production by targeting toll-like receptor 2 in nonalcoholic steatohepatitis of high-fat-diet-induced metabolic syndrome E3 rats. *Mol Cell Endocrinol*. 2015 Feb 15;402:1-12.
58. Yang X, Ndawula C Jr, Zhou H, Gong X, Jin J. . JF-305, a pancreatic cancer cell line is highly sensitive to the PARP inhibitor olaparib. *Oncol Lett*. 2015 Feb;9(2):757-761.
59. Li H, Chen L, Zeng S, Li X, Zhang X, Lin C, Zhang M, Xie S, He Y, Shu S, Yang L, Tang S, Fu X. . Matrigel basement membrane matrix induces eccrine sweat gland cells to reconstitute sweat gland-like structures in nude mice. *Exp Cell Res*. 2015 Mar 1;332(1):67-77.
60. Fang F, Liu CY, Zhang J, Zhu L, Qian YX, Yi J, Xiang ZH, Wang H, Jiang H. . Involvement of MAPK ERK activation in upregulation of water channel protein aquaporin 1 in a mouse model of Bell's palsy. *J Mol Neurosci*. 2015 May;56(1):164-76.
61. Liu Q, Zhang Y, Shi B, Lu H, Zhang L, Zhang W. . Foxo3b but not Foxo3a activates cyp19a1a in *Epinephelus coioides*. *J Mol Endocrinol*. 2016 May;56(4):337-49.
62. Ouyang L, Tian Y, Bao Y, Xu H, Cheng J, Wang B, Shen Y, Chen Z, Lyu J. . Carnosine decreased neuronal cell death through targeting glutamate system and astrocyte mitochondrial bioenergetics in cultured neuron/astrocyte exposed to OGD/recovery. *Brain Res Bull*. 2016 Jun;124:76-84.
63. Shu C, Chu Q, Bi D, Wang Y, Xu T. . Identification and functional characterization of miiuy croaker IRF3 as an inducible protein involved in regulation of IFN response. *FISH SHELLFISH IMMUN*. 2016 Jul;54:499-506.
64. Hou C, Wu Q, Ouyang C, Huang T. . Effects of an intravitreal injection of interleukin-35-expressing plasmid on pro-inflammatory and anti-inflammatory cytokines. *Int J Mol Med*. 2016 Sep;38(3):713-20.
65. Dong XL, Liu TH, Wang W, Pan CX, Du GY, Wu YF, Pan MH, Lu C. . BmNHR96 participate BV entry of BmN-SWU1 cells via affecting the cellular cholesterol level. *BIOCHEM BIOPH RES CO*. 2017 Jan 22;482(4):1484-90.
66. Zhang Z, Chen C, Cui P, Liao Y, Yao L, Zhang Y, Rui R, Ju S. . Plk1 inhibition leads to a failure of mitotic division during the first mitotic division in pig embryos. *J ASSIST REPROD GEN*. 2017 Mar;34(3):399-407.
67. Li X, Li H, Zhang M, Chen L, Zhang B. . Cell proliferation and differentiation during the three dimensional reconstitution of eccrine sweat glands. *J Mol Histol*. 2017 Apr;48(2):113-120.
68. Qiu W, Lei M, Zhou L, Bai X, Lai X, Yu Y, Yang T, Lian X. . Hair follicle stem cell proliferation, Akt and Wnt signaling activation in TPA-induced hair regeneration. *Histochem Cell Biol*. 2017 Jun;147(6):749-758.
69. Sun M, Yu Z, Ma J, Pan Z, Lu C, Yao H. . Down-regulating heat shock protein 27 is involved in porcine epidemic diarrhea virus escaping from host antiviral mechanism. *Vet Microbiol*. 2017 Jun;205:6-13.
70. Liu L, Zuo Z, Lu S, Liu A, Liu X. . Naringin attenuates diabetic retinopathy by inhibiting inflammation, oxidative stress and NF- $\kappa$ B activation in vivo and in vitro. *Iran J Basic Med Sci*. 2017 Jul;20(7):813-821.
71. Fu XF, Yang F, Cheng SF, Feng YN, Li L, Dyce PW, Shen W, Sun XF. . The epigenetic modifications and the anterior to posterior characterization of meiotic entry during mouse oogenesis. *Histochem Cell Biol*. 2017 Jul;148(1):61-72.
72. Sun M, Ma J, Yu Z, Pan Z, Lu C, Yao H. . Identification of two mutation sites in spike and envelope proteins mediating optimal cellular infection of porcine epidemic diarrhea virus from different pathways. *Vet Res*. 2017 Aug 30;48(1):44.
73. Wang Y, Chen Q, Tan Q, Feng Z, He Z, Tang J, Feng H, Zhu G, Chen Z. . Simvastatin accelerates hematoma resolution after intracerebral hemorrhage in a PPAR $\gamma$ -dependent manner. *Neuropharmacology*. 2017 Oct 17;128:244-254.
74. Feng J, Luo L, Liu Y, Fu S, Chen J, Duan X, Xiang L, Zhang Y, Wu J, Fan J, Wen Q, Zhang Y, Yang J, Peng J, Zhao M, Yang L. . TP53-induced glycolysis and apoptosis regulator is indispensable for mitochondria quality control and degradation following damage. *Oncol Lett*. 2018 Jan;15(1):155-160.
75. Wang X, Luo E, Bi R, Ye B, Hu J, Zou S. . Wnt/ $\beta$ -catenin signaling is required for distraction osteogenesis in rats. *Connect Tissue Res*. 2018 Jan;59(1):45-54.
76. Liu XL, Wu RY, Sun XF, Cheng SF, Zhang RQ, Zhang TY, Zhang XF, Zhao Y, Shen W, Li L. . Mycotoxin zearalenone exposure impairs genomic stability of swine follicular granulosa cells in vitro. *Int J Biol Sci*. 2018 Feb 12;14(3):294-305.
77. Giri PK, Lu Y, Lei S, Li W, Zheng J, Lu H, Chen X, Liu Y, Zhang P. . Pretreatment with minocycline improves neurogenesis and behavior performance after midazolam exposure in neonatal rats. *Neuroreport*. 2018 Feb 7;29(3):153-159.
78. Wang W, Liu F, Wang C, Wang C, Tang Y, Jiang Z. . Src Promotes Metastasis of Human Non-Small Cell Lung Cancer Cells through Fn14-Mediated NF- $\kappa$ B Signaling. *MED SCI MONITOR*. 2018 Mar 3;24:1282-1294.
79. Jiang S, Zhao XC, Jiao B, Yue ZJ, Yu ZB. . Simulated microgravity hampers Notch signaling in the fight against myocardial ischemia-reperfusion injury. *Mol Med Rep*. 2018 Apr;17(4):5150-5158.
80. Wang Z, Li K, Sun H, Wang J, Fu Z, Liu M. . Icarin promotes stable chondrogenic differentiation of bone marrow mesenchymal stem cells in self-assembling peptide nanofiber hydrogel scaffolds. *Mol Med Rep*. 2018 Jun;17(6):8237-8243.

81. Xu H, Zhang P, Li R, Wu W, Wang S, Xu Y . Expression analysis of multifunctional RNA-binding protein hnRNP K during development of mammalian testis. *Pol J Vet Sci.* 2018 Jun;21(2):343-351.
82. Chi L, Huang Y, Mao Y, Wu K, Zhang L, Nan G . Tail Vein Infusion of Adipose-Derived Mesenchymal Stem Cell Alleviated Inflammatory Response and Improved Blood Brain Barrier Condition by Suppressing Endoplasmic Reticulum Stress in a Middle Cerebral MED SCI MONITOR. 2018 Jun 11 24:3946-3957.
83. Zhang M, Li H, Chen L, Fang S, Xie S, Lin C . Three-dimensional reconstructed eccrine sweat glands with vascularization and cholinergic and adrenergic innervation. *J Mol Histol.* 2018 Aug;49(4):339-345.
84. Zhao ZW, Zhang M, Chen LY, Gong D, Xia XD, Yu XH, Wang SQ, Ou X, Dai XY, Zheng XL, Zhang DW, Tang CK . Heat shock protein 70 accelerates atherosclerosis by downregulating the expression of ABCA1 and ABCG1 through the JNK/Elk-1 pathway. *BBA-MOL CELL BIOL L.* 2018 Aug;1863(8):806-822.
85. Wang G, Zhou H, Gu Z, Gao Q, Shen G . Oct4 promotes cancer cell proliferation and migration and leads to poor prognosis associated with the survivin/STAT3 pathway in hepatocellular carcinoma. *Oncol Rep.* 2018 Aug;40(2):979-987.
86. Ouyang Z, Li HH, Zhang MJ, Xie ST, Cheng LH . Differential Innervation of Secretory Coils and Ducts in Human Eccrine Sweat Glands. *CHINESE MED J-PEKING.* 2018 Aug 20;131(16):1964-1968.
87. Wang X, Wang G, Zhang X, Dou Y, Dong Y, Liu D, Xiao J, Zhao Z . Inhibition of microRNA-182-5p contributes to attenuation of lupus nephritis via Foxo1 signaling. *Exp Cell Res.* 2018 Dec 15;373(1-2):91-98.
88. Sun ZY, Zhang P, Wang JJ, Liu JC, Li L, Shen W, Zhai QY . Melatonin alleviates meiotic defects in fetal mouse oocytes induced by Di (2-ethylhexyl) phthalate in vitro. *AGING-US.* 2018 Dec 26;10(12):4175-4187.
89. Zhang G, Ma Y, Xi D, Rao Z, Sun X, Wu X . Effect of high uric acid on the disposition of metformin: in vivo and in vitro studies. *Biopharm Drug Dispos.* 2019 Jan;40(1):3-11.
90. Xin H, Wang C, Liu Z . miR-196a-5p promotes metastasis of colorectal cancer via targeting IκBα. *BMC Cancer.* 2019 Jan 8 19(1):30.
91. Xu SY, Jiang XL, Liu Q, Xu J, Huang J, Gan SW, Lu WT, Zhuo F, Yang M, Sun SQ . Role of rno-miR-124-3p in regulating MCT1 expression in rat brain after permanent focal cerebral ischemia. *Genes & Diseases.* 2019 Feb 16 6(4):398-406.
92. Tang SL, Zhao ZW, Liu SM, Wang G, Yu XH, Zou J, Wang SQ, Dai XY, Fu MG, Zheng XL, Zhang DW, Fu H, Tang CK . Pregnancy-Associated Plasma Protein-A Accelerates Atherosclerosis by Regulating Reverse Cholesterol Transport and Inflammation. *Circ J.* 2019 Feb 25 83(3):515-523.
93. Mu J, Li M, Wang T, Li X, Bai M, Zhang G, Kong J . Myelin Damage in Diffuse Axonal Injury. *FRONT NEUROSCI-SWITZ.* 2019 Mar 19 13:217.
94. Jiang L, Xu D, Zhang WJ, Tang Y, Peng Y . Astrocytes induce proliferation of oligodendrocyte progenitor cells via connexin 47-mediated activation of Chi3l1 expression. *EUR REV MED PHARMACO.* 2019 Apr 23(7):3012-3020.
95. Luo G, Jian Z, Zhu Y, Zhu Y, Chen B, Ma R, Tang F, Xiao Y . Sirt1 promotes autophagy and inhibits apoptosis to protect cardiomyocytes from hypoxic stress. *Int J Mol Med.* 2019 May 43(5):2033-2043.
96. Ran X, Yang Y, Meng Y, Li Y, Zhou L, Wang Z, Zhu J . Distribution of D1 and D2 receptor- immunoreactive neurons in the paraventricular nucleus of the hypothalamus in the rat. *J Chem Neuroanat.* 2019 Jul 98:97-103.
97. Chen J, Long Z, Li Y, Luo M, Luo S, He G . Alteration of the Wnt/GSK3β/β-catenin signalling pathway by rapamycin ameliorates pathology in an Alzheimer's disease model. *Int J Mol Med.* 2019 Jul 44(1):313-323.
98. Shi L, Li B, Zhang B, Zhen C, Zhou J, Tang S . Mouse embryonic palatal mesenchymal cells maintain stemness through the PTEN-Akt-mTOR autophagic pathway. *Stem Cell Res Ther.* 2019 Jul 29 10(1):217.
99. Zhang H, He B . SDF1/CXCR4 axis plays a role in angiogenesis during the degeneration of intervertebral discs. *Mol Med Rep.* 2019 Aug 20(2):1203-1211.
100. Zhu XX, Miao XY, Gong YP, Fu B, Li CL . Isolation and culture of rat aortic endothelial cells in vitro: A novel approach without collagenase digestion. *J Cell Biochem.* 2019 Aug 120(8):14127-14135.
101. Xiang XJ, Song L, Deng XJ, Tang Y, Min Z, Luo B, Wen QX, Li KY, Chen J, Ma YL, Zhu BL, Yan Z, Chen GJ . Mitochondrial methionine sulfoxide reductase B2 links oxidative stress to Alzheimer's disease-like pathology. *Exp Neurol.* 2019 Aug 318:145-156.
102. Xiao D, Bi R, Liu X, Mei J, Jiang N, Zhu S . Notch Signaling Regulates MMP-13 Expression via Runx2 in Chondrocytes. *SCI REP-UK.* 2019 Oct 30 9(1):15596.
103. Zhao J, Peng W, Ran Y, Ge H, Zhang C, Zou H, Ding Y, Qi H . Dysregulated expression of ACTN4 contributes to endothelial cell injury via the activation of the p38-MAPK/p53 apoptosis pathway in preeclampsia. *J Physiol Biochem.* 2019 Nov 75(4):475-487.
104. Jiang J, Wang Z, Liang X, Nie Y, Chang X, Xue H, Li S, Min C . Intranasal MMI-0100 Attenuates Aβ1-42- and LPS-Induced Neuroinflammation and Memory Impairments via the MK2 Signaling Pathway. *Front Immunol.* 2019 Nov 26 10:2707.
105. Jia Q, Cao H, Shen D, Yan L, Chen C, Xing S . Fisetin, via CKIP-1/REGγ, limits oxidized LDL-induced lipid accumulation and senescence in RAW264.7 macrophage-derived foam cells. *Eur J Pharmacol.* 2019 Dec 15 865:172748.
106. Huifeng Cheng, Miaojun Lv, Rulin Mi, Guofang Xue . Amifostine ameliorates cerebral ischaemia-reperfusion injury via p38-mediated oxidative stress and mitochondrial dysfunction *Folia Neuropathol.* 2020;58(4):334-346. doi: 10.5114/fn.2020.102436.
107. Haiyan Zhao, Yang Wang, Xiaoli Zhang, Yingying Guo, Xiaofei Wang . miR-181b-5p inhibits endothelial-mesenchymal transition in monocrotaline-induced pulmonary arterial hypertension by targeting endocan and TGFBR1 *TOXICOL APPL PHARM.* 2020 Jan 1;386:114827.
108. Xiang Ou, Jia-Hui Gao, Lin-Hao He, Xiao-Hua Yu, Gang Wang, Jin Zou, Zhen-Wang Zhao, Da-Wei Zhang, Zhi-Jiao Zhou, Chao-Ke Tang . Angiopietin-1 aggravates atherosclerosis by inhibiting cholesterol efflux and promoting inflammatory response *BBA-MOL CELL BIOL L.* 2020 Feb;1865(2):158535.
109. Lijie Du, Xiang Zhang, Liyun Chen, Lei Zhang, Haihong Li . K31 as a novel marker for clear secretory cells in human eccrine sweat glands *J Mol Histol.* 2020 Feb;51(1):47-53.
110. Huiyuan Zhang, Xi Lu, Yuehan Hao, Ling Tang, Zhiyi He . MicroRNA-26a-5p alleviates neuronal apoptosis and brain injury in intracerebral hemorrhage by targeting RAN binding protein 9 *Acta Histochem.* 2020 Jul;122(5):151571.
111. Yan Zhang, Bao-You Fan, Yi-Lin Pang, Wen-Yuan Shen, Xu Wang, Chen-Xi Zhao, Wen-Xiang Li, Chang Liu, Xiao-Hong Kong, Guang-Zhi Ning, Shi-Qing Feng, Xue Yao . Neuroprotective effect of deferoxamine on erastin-induced ferroptosis in primary cortical neurons *Neural Regen Res.* 2020 Aug;15(8):1539-1545.
112. Xiaona Zhang, Xiushuang Fan, Fan Li, Jinpeng Qiu, Yang Zhang . Effects of PYRIN-containing Apaf1-like protein 1 on isoflurane-induced postoperative cognitive dysfunction in aged rats *Mol Med Rep.* 2020 Aug;22(2):1391-1399.
113. Xudong Sun, Shengbin Luo, Chunhui Jiang, Yan Tang, Zhijun Cao, Hongdou Jia, Qiushi Xu, Chenxu Zhao, Juan J Looor, Chuang Xu . Sodium butyrate reduces bovine mammary epithelial cell inflammatory responses induced by exogenous lipopolysaccharide, by inactivating NF-κB signaling *J Dairy Sci.* 2020 Sep;103(9):8388-8397.
114. Xinxia Luo, Junyang Zhou, Zhixiao Wang, Yun He, Li Yu, Shinan Ma, Shan Wang, Xiaoli Wang, Yahong Yuan, Dongsheng Li, Taixing Cui, Yan Ding . An inhibitor role of Nrf2 in the regulation of myocardial senescence and dysfunction after myocardial infarction *Life Sci.* 2020 Oct 15;259:118199.
115. Xue Zhou, Jie Liang, Jiang Wang, Zhaoyang Fei, Guangcheng Qin, Dunke Zhang, Jiying Zhou, Lixue Chen . Up-regulation of astrocyte excitatory amino acid transporter 2 alleviates central sensitization in a rat model of chronic migraine *J Neurochem.* 2020 Nov;155(4):370-389.
116. Xuan Zou, Yang Wang, Yuheng Wang, Junting Yang, Huishu Guo, Zhengxu Cai . Paeoniflorin Alleviates Abnormalities in Rats with Functional Dyspepsia by Stimulating the Release of Acetylcholine *DRUG DES DEV THER.* 2020 Dec 22;14:5623-5632.
117. Xiaoyan Wang, Chuanchang Yin, Xue Su, Min Su . Reliable Postmortem Molecular

- Diagnosis of Anaphylaxis: Co-localization of Mast Cell Degranulation and Immunoglobulin E in Allergic Throat Tissues *Am J Forensic Med Pathol.* 2020 Dec;41(4):249-258.
118. Haidong Wang, Yujin Guo, Yi Qiao, Jun Zhang, Pei Jiang . Nobiletin Ameliorates NLRP3 Inflammasome-Mediated Inflammation Through Promoting Autophagy via the AMPK Pathway *Mol Neurobiol.* 2020 Dec;57(12):5056-5068.
119. Jieru Han, Guangyu Shi, Wenhao Li, Shuhui Wang, Jixiang Bai, Xutao Sun, Ying Xie, Fangyu Sui, Fei Chen, Deyou Jiang . Zisheng Shenqi Decoction Ameliorates Monosodium Urate-Mediated Gouty Arthritis in Rats via Promotion of Autophagy through the AMPK/mTOR Signaling Pathway *Evid Based Complement Alternat Med.* 2021 Jan 6;2021:6918026.
120. Guangzhao Song, Liyan Li, Ying Yang . MicroRNA-329-3p alleviates high glucose-induced endothelial cell injury via inhibition of the TLR4/TRAF6/NF- $\kappa$ B signaling pathway *Exp Ther Med.* 2021 Jan;21(1):29.
121. Jing Zhang, Na Jiang, Jian Ping, Lieming Xu . TGF- $\beta$ 1-induced autophagy activates hepatic stellate cells via the ERK and JNK signaling pathways *Int J Mol Med.* 2021 Jan;47(1):256-266.
122. Hai-Feng Shen, Wen-Juan Zhang, Ying Huang, Yao-Hui He, Guo-Sheng Hu, Lei Wang, Bing-Ling Peng, Jia Yi, Ting-Ting Li, Rui Rong, Xiao-Yan Chen, Jun-Yi Liu, Wen-Juan Li, Kenny Ohgi, Shao-Wei Li, Michael G Rosenfeld, Wen Liu . The Dual Function of KDM5C in Both Gene Transcriptional Activation and Repression Promotes Breast Cancer Cell Growth and Tumorigenesis *Adv Sci (Weinh).* 2021 Feb 18;8(9):2004635.
123. Xuan Feng, Zhi Wei, Sai Zhang, Jiayi Zhou, Jing Wu, Baoxin Luan, Yan Du, Hongbo Zhao . Overexpression of LVRN impedes the invasion of trophoblasts by inhibiting epithelial-mesenchymal transition *Acta Biochim Biophys Sin (Shanghai).* 2021 Feb 4;53(2):249-257.
124. Bao-You Fan, Yi-Lin Pang, Wen-Xiang Li, Chen-Xi Zhao, Yan Zhang, Xu Wang, Guang-Zhi Ning, Xiao-Hong Kong, Chang Liu, Xue Yao, Shi-Qing Feng . Liproxstatin-1 is an effective inhibitor of oligodendrocyte ferroptosis induced by inhibition of glutathione peroxidase 4 *Neural Regen Res.* 2021 Mar;16(3):561-566.
125. Xiaoying Luo, Yangqiu Bai, Shuli He, Suofeng Sun, Xiaoke Jiang, Zhiyu Yang, Di Lu, Peiru Wei, Yuan Liang, Cong Peng, Yaru Wang, Ruli Sheng, Shuangyin Han, Xiuling Li, Bingyong Zhang . Sirtuin 1 ameliorates defenestration in hepatic sinusoidal endothelial cells during liver fibrosis via inhibiting stress-induced premature senescence *Cell Prolif.* 2021 Mar;54(3):e12991.
126. Cong-Li Hu, Yan-Jun Zhang, Xiao-Feng Zhang, Xiang Fei, Hai Zhang, Chun-Guang Li, Bin Sun . 3D Culture of Circulating Tumor Cells for Evaluating Early Recurrence and Metastasis in Patients with Hepatocellular Carcinoma *Onco Targets Ther.* 2021 Apr 16;14:2673-2688.
127. Dai-Chao Ma, Nan-Nan Zhang, Yi-Na Zhang, Hui-Sheng Chen . Salvianolic Acids for Injection alleviates cerebral ischemia/reperfusion injury by switching M1/M2 phenotypes and inhibiting NLRP3 inflammasome/pyroptosis axis in microglia in vivo and in vitro *J Ethnopharmacol.* 2021 Apr 24;270:113776.
128. Yue Zhang, Wenhui Huang, Zemao Zheng, Wei Wang, Yafei Yuan, Qiaohui Hong, Jijia Lin, Xu Li, Ying Meng . Cigarette smoke-inactivated SIRT1 promotes autophagy-dependent senescence of alveolar epithelial type 2 cells to induce pulmonary fibrosis *Free Radic Biol Med.* 2021 Apr;166:116-127.
129. Shan-Shan Li, Ling-Ling Xie, Zhuang-Zhuang Li, Yong-Jian Fan, Man-Man Qi, Yan-Guo Xi . Androgen is responsible for enhanced susceptibility of melatonin against traumatic brain injury in females *Neurosci Lett.* 2021 May 1;752:135842.
130. Xiujin Shi, Yi Zhang, Jialun Han, Wenxing Peng, Zhenwei Fang, Ying Qin, Xiaoyu Xu, Jie Lin, Fucheng Xiao, Limin Zhao, Yang Lin . Tryptanthrin Regulates Vascular Smooth Muscle Cell Phenotypic Switching in Atherosclerosis by AMP-Activated Protein Kinase/Acetyl-CoA Carboxylase Signaling Pathway *J Cardiovasc Pharmacol.* 2021 May 1;77(5):642-649.
131. Hao Hu, Chao Li, Haitao Zhang, Gang Wu, Yong Huang . Role of vasodilator-stimulated phosphoprotein in RANKL-differentiated murine macrophage RAW264.7 cells: Modulation of NF- $\kappa$ B, c-Fos and NFATc1 transcription factors *Exp Ther Med.* 2021 May;21(5):412.
132. Xin Wang, Youlu Lu, Zhouting Tuo, Huan Zhou, Ying Zhang, Zhangjun Cao, Longfei Peng, Dexin Yu, Liangkuan Bi . Role of SIRT1/AMPK signaling in the proliferation, migration and invasion of renal cell carcinoma cells *Oncol Rep.* 2021 Jun;45(6):109.
133. Mengyuan Fang, Wencui Wan, Qiuming Li, Weiwei Wan, Yang Long, Hongzhuo Liu, Xin Yang . Asiatic acid attenuates diabetic retinopathy through TLR4/MyD88/NF- $\kappa$ B p65 mediated modulation of microglia polarization *Life Sci.* 2021 Jul 15;277:119567.
134. Yu Bai, Qiang Du, Le Zhang, Ling Li, Lei Tang, Wei Zhang, Runyu Du, Ping Li, Ling Li . Fasudil alleviated insulin resistance through promotion of proliferation, attenuation of cell apoptosis and inflammation and regulation of RhoA/Rho kinase/insulin/nuclear factor- $\kappa$ B signalling pathway *J Pharm Pharmacol.* 2021 Jul 7;73(8):1118-1127.
135. Zhigang Wang, Tianlin Liu, Chunping Yin, Yanan Li, Fang Gao, Lili Yu, Qiujun Wang . Electroacupuncture Pretreatment Ameliorates Anesthesia and Surgery-Induced Cognitive Dysfunction via Activation of an  $\alpha$ 7-nAChR Signal in Aged Rats *Neuropsychiatr Dis Treat.* 2021 Aug 10;17:2599-2611.
136. Yang-Yang Zhao, Dong-Ming Wu, Miao He, Feng Zhang, Ting Zhang, Teng Liu, Jin Li, Li Li, Ying Xu . Samotolisib Attenuates Acute Liver Injury Through Inhibiting Caspase-11-Mediated Pyroptosis Via Regulating E3 Ubiquitin Ligase Nedd4 *Front Pharmacol.* 2021 Aug 13;12:726198.
137. Y Lan, W Zeng, X Dong, H Lu . Opsin 5 is a key regulator of ultraviolet radiation-induced melanogenesis in human epidermal melanocytes *Br J Dermatol.* 2021 Aug;185(2):391-404.
138. Chuan-Suo Zhang, Qian Han, Zhao-Wei Song, Hong-Yan Jia, Tian-Peng Shao, Yan-Peng Chen . Hydrogen gas post-conditioning attenuates early neuronal pyroptosis in a rat model of subarachnoid hemorrhage through the mitoKATP signaling pathway *Exp Ther Med.* 2021 Aug;22(2):836.
139. Jiani He, Zhongkai Qiu, Hao Zhang, Zhipeng Gao, Yuanjun Jiang, Zhenhua Li, Chuize Kong, Xiaojun Man . MicroRNA-16-5p/BIMP1/NF- $\kappa$ B axis regulates autophagy to exert a tumor-suppressive effect on bladder cancer *Mol Med Rep.* 2021 Aug;24(2):576.
140. Xu-Peng Wang, Wei-Chao Zheng, Yang Bai, Yan Li, Yue Xin, Jing-Zhou Wang, Yu-Lin Chang, Li-Min Zhang . Carbon Monoxide-Releasing Molecule-3 Alleviates Kupffer Cell Pyroptosis Induced by Hemorrhagic Shock and Resuscitation via sGC-cGMP Signal Pathway Inflammation. 2021 Aug;44(4):1330-1344.
141. Zhidan Xia, Xinying Bi, Sisi Yang, Xiu Yang, Zijun Song, Jiayu Wei, Pengfei Xu, Lothar Rink, Junxia Min, Fudi Wang . Metal transporter Slc30a1 controls pharyngeal neural crest differentiation via the zinc-Snai2-Jag1 cascade *MedComm (2020).* 2021 Sep 27;2(4):778-797.
142. Lulingxiao Nie, Pengfei Zhao, Ziqi Yue, Peng Zhang, Ning Ji, Qianming Chen, Qi Wang . Diabetes induces macrophage dysfunction through cytoplasmic dsDNA/AIM2 associated pyroptosis *J Leukoc Biol.* 2021 Sep;110(3):497-510.
143. Jiangyuan Guo, Bin Li, Jueqiong Wang, Ruoyi Guo, Ye Tian, Shuang Song, Li Guo . Protective effect and mechanism of nicotinamide adenine dinucleotide against optic neuritis in mice with experimental autoimmune encephalomyelitis *Int Immunopharmacol.* 2021 Sep;98:107846.
144. Rui Wang, Jian Liu, Kai Li, Ganghua Yang, Sisi Chen, Jie Wu, Xinming Xie, Hong Ren, Yamei Pang . An SETD1A/Wnt/ $\beta$ -catenin feedback loop promotes NSCLC development *J Exp Clin Cancer Res.* 2021 Oct 13;40(1):318.
145. Yu Zhou, Wei-Jiang Zhao, Wei Quan, Chen-Meng Qiao, Chun Cui, Hui Hong, Yun Shi, Gu-Yu Niu, Li-Ping Zhao, Yan-Qin Shen . Dynamic changes of activated AHR in microglia and astrocytes in the substantia nigra-striatum system in an MPTP-induced Parkinson's disease mouse model *Brain Res Bull.* 2021 Nov;176:174-183.
146. Xi Su, Wenqiang Li, Zhen Li, Kang Liu, Meng Song, Minglong Shao, Luxian Lv, Xulu Chang . Chronic developmental exposure to low-dose ((C8mim)[PF6]) induces neurotoxicity and behavioural abnormalities in rats *Ecotoxicol Environ Saf.* 2021 Dec 1;225:112806.
147. Menghuai Sun, Qian Lin, Chunyang Wang, Jiao Xing, Kunlong Yan, Zhifeng Liu,

- Yu Jin, Carol J Cardona, Zheng Xing . Enterovirus A71 2B Inhibits Interferon-Activated JAK/STAT Signaling by Inducing Caspase-3-Dependent Karyopherin- $\alpha$ 1 Degradation *Front Microbiol.* 2021 Dec 21;12:762869.
148. Jialing Liu, Yanmei Zhang, Hongqin Sheng, Chunling Liang, Huazhen Liu, Jose Alberto Moran Guerrero, Zhaoyu Lu, Wei Mao, Zhenhua Dai, Xusheng Liu, Lei Zhang . Hyperside Suppresses Renal Inflammation by Regulating Macrophage Polarization in Mice With Type 2 Diabetes Mellitus *Front Immunol.* 2021 Dec 3;12:733808.
149. Xiaoqing Xu, Kun Xie, Bingyu Li, Lijun Xu, Lei Huang, Yan Feng, Chenyu Pi, Jingming Zhang, Tao Huang, Ming Jiang, Hua Gu, Jianmin Fang . Adaptive resistance in tumors to anti-PD-1 therapy through re-immunosuppression by upregulation of GPNMB expression *Int Immunopharmacol.* 2021 Dec;101(Pt B):108199.
150. Ting Liu, Shujia Chen, Xiaoli Xie, Hongqun Liu, Yongjuan Wang, Shengbin Qi, Linping Shi, Xue Zhou, Jiuna Zhang, Shuling Wang, Yijun Wang, Shengxiong Chen, Shiyong Dou, Xiaoyu Jiang, Ruolin Cui, Huiqing Jiang . Soluble TREM-1, as a new ligand for the membrane receptor Robo2, promotes hepatic stellate cells activation and liver fibrosis *J Cell Mol Med.* 2021 Dec;25(24):11113-11127.
151. Manxiu Cao, Junhong Zhao, Lijie Du, Zixiu Chen, Lei Zhang, Xiang Liu, Jiaqi Cheng, Yongjing Yan, Cuiping Zhang, Haihong Li . The combination of hair follicle-specific marker LHX2 and co-expressed marker can distinguish between sweat gland placodes and hair placodes in rat *J Mol Histol.* 2021 Dec;52(6):1225-1232.
152. Wen-Chong Sun, Ling Pei . Dexmedetomidine attenuates propofol-induced apoptosis of neonatal hippocampal astrocytes by inhibiting the Bcl211 signalling pathway *Eur J Neurosci.* 2021 Dec;54(11):7775-7789.
153. Jiaqi Lu, Lili Gu, Qin Li, Ningzi Wu, Hongxing Li, Xinyue Zhang . Andrographolide ameliorates maltol aluminium-induced neurotoxicity via regulating p62-mediated Keap1-Nrf2 pathways in PC12 cells *Pharm Biol.* 2021 Dec;59(1):232-241.
154. Dong-Ming Wu, Jing Li, Rong Shen, Jin Li, Ye Yu, Li Li, Shi-Hua Deng, Teng Liu, Ting Zhang, Ying Xu, De-Gui Wang . Autophagy Induced by Micheliolide Alleviates Acute Irradiation-Induced Intestinal Injury via Inhibition of the NLRP3 Inflammasome *Front Pharmacol.* 2022 Jan 18;12:773150.
155. Yuhua Gong, Peng Ren, Jia Deng, Zongkun Hou, Tingwang Guo, Shilei Hao, Bochu Wang . Role of mass effect and trehalose on early erythrolysis after experimental intracerebral hemorrhage *J Neurochem.* 2022 Jan;160(1):88-99.
156. Pu Xiang, Jian Hu, Hong Wang, Ying Luo, Chao Gu, Xiaodan Tan, Yujun Tu, Wenjia Guo, Lin Chen, Lin Gao, Rongchun Chen, Junqing Yang . miR-204-5p is sponged by TUG1 to aggravate neuron damage induced by focal cerebral ischemia and reperfusion injury through upregulating COX2 *Cell Death Discov.* 2022 Feb 28;8(1):89.
157. Hao Xu, Shuting Zhang, Adwait Amod Sathe, Zhichun Jin, Jiani Guan, Wen Sun, Chao Xing, Hanwen Zhang, Bin Yan . CCR2+ Macrophages Promote Orthodontic Tooth Movement and Alveolar Bone Remodeling *Front Immunol.* 2022 Feb 4;13:835986.
158. Yafei Yuan, Wei Wang, Yue Zhang, Qiaohui Hong, Wenhui Huang, Lijuan Li, Zhanzhan Xie, Yixin Chen, Xu Li, Ying Meng . Apelin-13 Attenuates Lipopolysaccharide-Induced Inflammatory Responses and Acute Lung Injury by Regulating PFKFB3-Driven Glycolysis Induced by NOX4-Dependent ROS *J Inflamm Res.* 2022 Mar 30;15:2121-2139.
159. Zhao-Yan Gu, Xin-Yu Miao, Jing Cui, Fan Yang, Li-Chao Ma, Chun-Lin Li, Ban-Ruo Sun, Shuang-Tong Yan . Effects of a prolonged diet regimen on autophagic function in rat islets with aging *Exp Gerontol.* 2022 Mar;159:111659.
160. Teng Liu, Dong-Ming Wu, Feng Zhang, Ting Zhang, Miao He, Yang-Yang Zhao, Jin Li, Li Li, Ying Xu . miR-142a-3p Enhances FlaA N/C Protection Against Radiation-Mediated Intestinal Injury by Modulating the IRAK1/NF- $\kappa$ B Signaling Pathway *Int J Radiat Oncol Biol Phys.* 2022 Apr 1;112(5):1256-1268.
161. Chang Cao, Liangwei Wang, Jing Zhang, Zhanzhan Liu, Mingming Li, Shangfu Xie, Guang Chen, Xiang Xu . Neuroligin-1 plays an important role in methamphetamine-induced hippocampal synaptic plasticity *Toxicol Lett.* 2022 May 15;361:1-9.
162. Jiannan Du, Yuan Li, Yuting Su, Wenqian Zhi, Jiale Zhang, Cheng Zhang, Juan Wang, Wensheng Deng, Shasha Zhao . LncRNA Pnky Positively Regulates Neural Stem Cell Migration by Modulating mRNA Splicing and Export of Target Genes *Cell Mol Neurobiol.* 2022 Jun 24.
163. Wenjuan Zhang, Yan Hu, Wenbing Zhang, Ke Yi, Xiaohui Xu, Zhihua Chen . The Invasion and Metastasis of Colon Adenocarcinoma (COAD) Induced by SALL4 *J Immunol Res.* 2022 Jun 1:2022:9385820.
164. Chenxi Zhao, Tiangang Zhou, Xiaoqing Zhao, Yilin Pang, Wenxiang Li, Baoyou Fan, Ming Li, Xinjie Liu, Lei Ma, Jiawei Zhang, Chao Sun, Wenyuan Shen, Xiaohong Kong, Xue Yao, Shiqing Feng . Delayed administration of nafamostat mesylate inhibits thrombin-mediated blood-spinal cord barrier breakdown during acute spinal cord injury in rats *J Neuroinflammation.* 2022 Jul 16;19(1):189.
165. Henghua Jiang, Liqin Xu, Wen Liu, Mian Xiao, Jin Ke, Xing Long . Chronic Pain Causes Peripheral and Central Responses in MIA-Induced TMJOA Rats *Cell Mol Neurobiol.* 2022 Jul;42(5):1441-1451.
166. Yan Lin, Dongxu Wang, Hong Zhao, Dongyue Li, Xinning Li, Lianjie Lin . Pou3f1 mediates the effect of Nfatc3 on ulcerative colitis-associated colorectal cancer by regulating inflammation *Cell Mol Biol Lett.* 2022 Sep 5;27(1):75.
167. Yan Li, Zhi-You Wu, Wei-Chao Zheng, Jie-Xia Wang, Yue-Xin, Rong-Xin Song, Jin-Gui Gao . Esketamine alleviates postoperative cognitive decline via stimulator of interferon genes/ TANK-binding kinase 1 signaling pathway in aged rats *Brain Res Bull.* 2022 Sep;187:169-180.
168. Hongqin Sheng, Duo Zhang, Jiaqi Zhang, Yanmei Zhang, Zhaoyu Lu, Wei Mao, Xusheng Liu, Lei Zhang . Kaempferol attenuated diabetic nephropathy by reducing apoptosis and promoting autophagy through AMPK/mTOR pathways *Front Med (Lausanne).* 2022 Nov 30;9:986825.
169. Keke Wang, Juntao Zhao, Zhikun Guo . Interaction of KCNA5, CX43, and CX40 proteins in the atrial muscle of patients with atrial fibrillation *Cell Biol Int.* 2022 Nov;46(11):1834-1840.
170. Jie Zhang, Jiangyan Huo, Zhizhi Zhao, Yan Lu, Zhou Hong, Hong Li, Daofeng Chen . An anticomplement homogeneous polysaccharide from *Hedyotis diffusa* attenuates lipopolysaccharide-induced acute lung injury and inhibits neutrophil extracellular trap formation *Phytomedicine.* 2022 Dec;107:154453.
171. Shanshan Wang, Baohua Tan, Liyao Xiao, Jiekang Zeng, Xinming Zhao, Linjun Hong, Zicong Li, Gengyuan Cai, Enqin Zheng, Ting Gu, Zhenfang Wu . Long non-coding RNA Gm10561 promotes myogenesis by sponging miR-432 *Epigenetics.* 2022 Dec;17(13):2039-2055.
172. Pengwei Wang, Senlin Mao, Tingting Yi, Lihua Wang . LncRNA MALAT1 Targets miR-9-3p to Upregulate SAP97 in the Hippocampus of Mice with Vascular Dementia *Biochem Genet.* 2023 Jun;61(3):916-930.

Version 2024.03.12