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辣根过氧化物酶标记山羊抗大鼠IgG (H+L)

产品编号	产品名称	包装
A0192	辣根过氧化物酶标记山羊抗大鼠IgG (H+L)	0.5ml

产品简介:

来源	用途	WB	ELISA	IHC
Goat	WB, ELISA, IHC	1:1000-3000	1:250-1000	1:50-100

WB, Western blot; IHC, Immunohistochemistry.

- 本辣根过氧化物酶标记山羊抗大鼠IgG (H+L) (HRP-labeled Goat Anti-Rat IgG (H+L))为进口分装, 用于Western、ELISA和IHC等的二抗。HRP, 即horseradish peroxidase, 中文名为辣根过氧化物酶, 可以在Western检测时催化ECL类试剂(如ECL、BeyoECL等)产生化学发光, 可以在ELISA时催化TMB产生蓝色, 也可以在IHC或Western blot检测时催化DAB产生棕色沉淀。
- 本辣根过氧化物酶标记山羊抗大鼠IgG (H+L)用于WB、ELISA和IHC的推荐稀释比例参考上表, 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二抗的稀释比例。例如对于WB, 推荐的可以调节的稀释范围为1:500-5000。
- 本抗体为用纯化的大鼠IgG免疫山羊, 然后用亲和纯化柱对获得的抗血清进行纯化而获得的优质二抗。
- 本抗体如果用于常规的Western检测, 以每次检测需10毫升1:1000稀释的二抗计, 至少可以检测50次。

包装清单:

产品编号	产品名称	包装
A0192	辣根过氧化物酶标记山羊抗大鼠IgG (H+L)	0.5ml
—	说明书	1份

保存条件:

-20℃保存, 一年有效。4℃保存, 半年有效。

注意事项:

- 叠氮钠会抑制辣根过氧化物酶的活性, 在含有辣根过氧化物酶的二抗中不可加入叠氮钠。
- 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. Western、ELISA或IHC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。

使用本产品的文献:

1. Jing-Fei Chen, Kun Liu, Bo Hu, Rong-Rong Li, Wendy Xin, Hao Chen, Fei Wang, Lin Chen, Rui-Xue Li, Shu-Yu Ren, Lan Xiao, Jonah R Chan, Feng Mei . Enhancing myelin renewal reverses cognitive dysfunction in a murine model of Alzheimer's disease *Neuron*. 2021 Jul 21;109(14):2292-2307.e5.
2. Li J, Wang P, Xie Z, Wang S, Cen S, Li M, Liu W, Tang S, Ye G, Zheng G, Su H, Ma M, Wu X, Wu Y, Shen H . TRAF4 positively regulates the osteogenic differentiation of mesenchymal stem cells by acting as an E3 ubiquitin ligase to degrade Smurf2. *Cell Death Differ*. 2019 Dec 26(12):2652-2666.
3. Jun Yan Xu, Yu Yan Xiong, Rui Jie Tang, Wen Yang Jiang, Yu Ning, Zhao Ting Gong, Pei Sen Huang, Gui Hao Chen, Jun Xu, Chun Xiao Wu, Meng Jin Hu, Jing Xu, Yi Xu, Cun Rong Huang, Chen Jin, Xiao Tong Lu, Hai Yan Qian, Xiang Dong Li, Yue Jin Yang . Interleukin-5-induced eosinophil population improves cardiac function after myocardial infarction *Cardiovasc Res*. 2022 Jul 20;118(9):2165-2178.
4. Gong F, Cheng X, Wang S, Zhao Y, Gao Y, Cai H . Heparin-immobilized polymers as non-inflammatory and non-thrombogenic coating materials for arsenic trioxide eluting stents. *Acta Biomater*. 2010 Feb;6(2):534-46.
5. Xi Zhang, Jingjing Chen, Qiao Dong, Jinying Zhu, Ruihao Peng, Chuanyu He, Yuzhuo Li, Ruiqi Lin, Pengfei Jiang, Min Zheng, Huan Zhang, Shiwei Liu, Zeliang Chen . Lysine Acylation Modification Landscape of Brucella abortus Proteome and its Virulent Proteins *Front Cell Dev Biol*. 2022 Mar 1;10:839822.
6. Zhihao Jia, Shuai Jiang, Mengqiang Wang, Xiudan Wang, Yu Liu, Zhao Lv, Xiaorui Song, Yiqun Li, Lingling Wang, Linsheng Song . Identification of a Novel Pattern Recognition Receptor DM9 Domain Containing Protein 4 as a Marker for Pro-Hemocyte of Pacific Oyster Crassostrea gigas *Front Immunol*. 2021 Feb 12;11:603270.
7. Nagib Ahsan, Dong-Gi Lee, Iftekhar Alam, Pil Joo Kim, Jeung Joo Lee, Young-Ock Ahn, Sang-Soo Kwak, In-Jung Lee, Jeong Dong Bahk, Kyu Young Kang, Jenny Renaut, Setsuko Komatsu, Byung-Hyun Lee . Comparative proteomic study of arsenic-induced differentially expressed proteins in rice roots reveals glutathione plays a central role during As stress *Proteomics*. 2008 Sep;8(17):3561-76.

8. Zeng J, Wang Q, Lin J, Deng K, Zhao X, Tang D, Liu X. . Arabidopsis cryptochrome-1 restrains lateral roots growth by inhibiting auxin transport. *J Plant Physiol.* 2010;167(8):670-3.
9. Wang YX, Xu XY, Su WL, Wang Q, Zhu WX, Chen F, Jin G, Liu YJ, Li YD, Sun YP, Gao WC, Ruan CP. . Activation and Clinical Significance of p38 MAPK Signaling Pathway in Patients With SevereTrauma. *J Surg Res.* 2010 Jun 1;161(1):119-25.
10. Fu Y, Teng YY, Xu CW, Zhang X. . The effect of bone marrow stem cells on the treatment of experimental autoimmune myasthenia gravis rat. *Chinese Journal of Contemporary Neurology and Neurosurgery.* 2012;12(2):161-5.
11. Liu H, Liu G, Gong L, Zhang Y, Jiang G. . Local suppression of IL-21 in submandibular glands retards the development of Sjögren' s syndrome in non-obese diabetic mice. *J Oral Pathol Med.* 2012 Nov;41(10):728-35.
12. Xu J, Xia J. . NRP-1 silencing suppresses hepatocellular carcinoma cell growth in vitro and in vivo. *Exp Ther Med.* 2013 Jan;5(1):150-4.
13. Shen P, Su Z, Wang T, Liu Y, Zhao Y, Han Q, Xu H, Wang S. . Expression and purification of the mGITR-Fc fusion protein and its effect on CD4+ T cells and dendritic cells in vitro. *Mol Med Rep.* 2015 Sep;12(3):3965-71.
14. Yang S, Li SS, Yang XM, Yin DH, Wang L. . Embelin prevents LMP1-induced TRAIL resistance via inhibition of XIAP in nasopharyngeal carcinoma cells. *Oncol Lett.* 2016 Jun;11(6):4167-76.
15. Hu HJ, Jiang ZS, Zhou SH, Liu QM. . Hydrogen sulfide suppresses angiotensin II-stimulated endothelin-1 generation and subsequentcytotoxicity-induced endoplasmic reticulum stress in endothelial cells via NF-κB. *Mol Med Rep.* 2016 Nov;14(5):4729-40.
16. Fan XJ, Wang Y, Wang L, Zhu M. . Salidroside induces apoptosis and autophagy in human colorectal cancer cells through inhibition ofPI3K/Akt/mTOR pathway. *Oncol Rep.* 2016 Dec;36(6):3559-67.
17. Zhang T, Zhao L, Zeng S, Bai L, Chen J, Zhang Z, Wang Y, Duan C. . UHRF2 decreases H3K9ac expression by interacting with it through the PHD and SRA/YDG domain inHepG2 hepatocellular carcinoma cells. *Int J Mol Med.* 2017 Jan;39(1):126-34.
18. Xu Q, Liu X, Wang X, Hua Y, Wang X, Chen J, Li J, Wang Y, Stoeger T, Chen S, Huang N. . Growth arrest-specific protein 7 regulates the murine M1 alveolar macrophage polarization. *Immunol Res.* 2017 Oct;65(5):1065-1073.
19. Liu YJ, Li W, Chang F, Liu JN, Lin JX, Chen DX. . MicroRNA-505 is downregulated in human osteosarcoma and regulates cell proliferation, migration and invasion. *Oncol Rep.* 2018 Feb;39(2):491-500.
20. Gao XM, Mu DL, Hou CC, Zhu JQ, Jin S, Wang CL. . Expression and putative functions of KIFC1 for nuclear reshaping and midpiece formation during spermiogenesis of Phascolosoma esculenta. *Gene.* 2019 Jan 30 683:169-183.
21. Hu J, Shen W. . microRNA-196a attenuates ischemic brain injury in rats by directly targeting high mobility group A1. *Exp Ther Med.* 2019 Mar 17(3):1579-1586.
22. Zhang Q, Liu H, Yang J. . Regulation of TGF-β1 on PI3KC3 and its role in hypertension-induced vascular injuries. *Exp Ther Med.* 2019 Mar 17(3):1717-1727.
23. Zhang W, Meng A. . MicroRNA-124 expression in the brains of rats during early cerebral ischemia and reperfusion injury is associated with cell apoptosis involving STAT3. *Exp Ther Med.* 2019 Apr 17(4):2870-2876.
24. Wang H, Ji Z. . Inhibition of p53 alleviates prostate cell apoptosis in Escherichia coli-induced bacterial prostatitis. *Mol Med Rep.* 2019 Aug 20(2):895-902.
25. Niu G, Yang Y, Ren J, Song T, Hu Z, Chen L, Hong R, Xia J, Ke C, Wang X. . Overexpression of CPXM2 predicts an unfavorable prognosis and promotes the proliferation and migration of gastric cancer. *Oncol Rep.* 2019 Oct 42(4):1283-1294.
26. Hu Z, Niu G, Ren J, Wang X, Chen L, Hong R, Ke C. . TAF5A promotes proliferation and migration in gastric cancer. *Mol Med Rep.* 2019 Nov 20(5):4477-4488.
27. Zhu M, Zhao W, Zhao H, Zhang J. . Diagnostic and prognostic value of microRNA-193b in patients with glioma and its effect on tumor progression. *Oncol Lett.* 2019 Nov 18(5):4882-4890.
28. Tian X, He Y, Han Z, Su H, Chu C. . The Cytoplasmic Expression Of CLDN12 Predicts An Unfavorable Prognosis And Promotes Proliferation And Migration Of Osteosarcoma. *Cancer Manag Res.* 2019 Nov 1 11:9339-9351.
29. Yin N, Xie T, Zhang H, Chen J, Yu J, Liu F. . IDH1-R132H mutation radiosensitizes U87MG glioma cells via epigenetic downregulation of TIGAR. *Oncol Lett.* 2020 Feb 19(2):1322-1330.
30. Narui Yin, Ting Xie, Haowen Zhang, Jian Chen, Jiahua Yu, Fenju Liu. . IDH1-R132H mutation radiosensitizes U87MG glioma cells via epigenetic downregulation of TIGAR *Oncol Lett.* 2020 Feb;19(2):1322-1330.
31. Yanshuo Ye, Yuan An, Min Wang, Hongyu Liu, Lianyue Guan, Zhanpeng Wang, Wei Li. . Expression of Carboxypeptidase X M14 Family Member 2 Accelerates the Progression of Hepatocellular Carcinoma via Regulation of the gp130/JAK2/Stat1 Pathway *Cancer Manag Res.* 2020 Mar 31;12:2353-2364.
32. Chengjiang Qiu, Kairui Liu, Sheng Zhang, Simin Gao, Weirun Chen, Dateng Li, Youxing Huang. . Bisdemethoxycurcumin Inhibits Hepatocellular Carcinoma Proliferation Through Akt Inactivation via CYLD-Mediated Deubiquitination *DRUG DES DEV THER.* 2020 Mar 5;14:993-1001.
33. Tongtong Wang, Jing Du, Dexia Kong, Guosheng Yang, Qihao Zhou, Fei You, Yan Lin, Ying Wang. . Gambogic acid inhibits proliferation and induces apoptosis of human acute T-cell leukemia cells by inducing autophagy and downregulating β-catenin signaling pathway: Mechanisms underlying the effect *Oncol Rep.* 2020 Oct;44(4):1747-1757.
34. Hania Ibrahim Ammar, Asmaa Mohammed Shamseldeen, Heba Samy Shoukry, Hend Ashour, Samaa Samir Kamar, Laila Ahmed Rashed, Mostafa Fadel, Abhay Srivastava, Sanjiv Dhingra. . Metformin impairs homing ability and efficacy of mesenchymal stem cells for cardiac repair in streptozotocin-induced diabetic cardiomyopathy in rats *Am J Physiol Heart Circ Physiol.* 2021 Apr 1;320(4):H1290-H1302.
35. Xuan Ju, Shengdong Wang, Pan Yan, Chunyan Zhu, Xiwen Hu, Jiezheng Dong, Zhonglin Tan. . Rapid Eye Movement Sleep Deprivation Combined With Fluoxetine Protects Against Depression-Induced Damage and Apoptosis in Rat Hippocampi via A1 Adenosine Receptor *Front Psychiatry.* 2021 Jul 16;12:599399.
36. Jinze Meng, Hao Wen, Xintong Li, Boyang Luan, Shiqiang Gong, Jie Wen, Yifei Wang, Lei Wang. . POU class 2 homeobox associating factor 1 (POU2AF1) participates in abdominal aortic aneurysm enlargement based on integrated bioinformatics analysis *Bioengineered.* 2021 Dec;12(1):8980-8993.

37. Juan Liu, Ni Tang, Ni Liu, Panpan Lei, Fang Wang . Echinacoside inhibits the proliferation, migration, invasion and angiogenesis of ovarian cancer cells through PI3K/AKT pathway J Mol Histol. 2022 Apr;53(2):493-502.
38. Congcong Wang, Lei Wang, Chengmeng Huang, Yungang Liu, Jian Liu, Hongxuan Kuang, Qihua Pang, Hongyu Han, Ruifang Fan . Involvement of NLRP3/Caspase-1/GSDMD-Dependent pyroptosis in BPA-Induced apoptosis of human neuroblastoma cells Biochem Pharmacol. 2022 Jun;200:115042.
39. Chun Quan Zhu, QianQian Wei, Wen Jun Hu, Ya Li Kong, Xing Jia Xiang, Hui Zhang, Xiao Chuang Cao, Lian Feng Zhu, Jia Liu, Wen Hao Tian, Qian Yu Jin, Jun Hua Zhang . Unearthing the alleviatory mechanisms of hydrogen sulfide in aluminum toxicity in rice Plant Physiol Biochem. 2022 Jul 1;182:133-144.
40. Wei Yang, Wei Wu, Hailiang Liang, Jiejing Chen, Xiaoqiang Dong . TOX3 regulates the proliferation and apoptosis of colorectal cancer by downregulating RhoB via the activation of the MAPK pathway Cell Biol Int. 2022 Jul;46(7):1074-1088.
41. Renjie Xu, Jiahui Yu, Shangjin Song, Dazhi Sun, Lijuan Xiu, Jinyu Xu, Jing Zhao, Xuan Liu, Qing Ji, Xiaoqiang Yue . Long non-coding RNA ncRuPAR regulates gastric cancer cell proliferation and apoptosis via phosphoinositide 3-kinase/protein kinase B signaling Int J Med Sci. 2022 Oct 17;19(13):1835-1846.

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