



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

Caspase-9抗体(小鼠单抗)

产品编号	产品名称	包装
AC062	Caspase-9抗体(小鼠单抗)	>10次

产品简介:

来源	用途	可检测样品	抗体类型	Caspase-9分子量
Mouse	WB	H, M, R	IgG1	47/37/35或51/39/37kD

WB, Western blot.

H, human; M, mouse.

47/37/35D for human Caspase-9, 51/39/37kD for mouse or rat Caspase-9.

- 本Caspase-9抗体(Caspase-9 antibody)为进口分装, 以重组Caspase-9为抗原制备而成的抗Caspase-9小鼠单克隆抗体。克隆号为C9(Clone C9)。抗体类型为Mouse IgG1。
- 本Caspase-9抗体可以识别全长的Caspase-9 (有时全长的Caspase-9也被称作Procaspase-9或precursor), 也可以识别Caspase-9被剪切后产生的片段。未发现和其它Caspase家族蛋白有交叉反应。人Caspase-9(47kD)被剪切后可以产生37kD和35kD等片段, 小鼠或大鼠Caspase-9(51kD)被剪切后可以产生39kD和37kD等片段。
- Caspase (Cysteine-requiring Aspartate Protease)是一个在细胞凋亡过程中起重要作用的蛋白酶家族。Caspase 9也称ICE-LAP6或Mch6, 有时被写作caspase-9或caspase9, 是细胞凋亡信号转导过程中比较上游的一个Caspase。线粒体释放细胞色素c以后, Caspase 9可以和细胞色素c以及Apaf1形成复合物, 同时被激活。激活的Caspase 9可以激活细胞凋亡的最关键酶Caspase 3, 从而促进后续的细胞凋亡信号。Caspase 9的激活可以通过磷酸化进行调控。
- 配套提供了Western一抗稀释液, 可以用于Western检测时的一抗稀释。
- 建议本抗体用于Western检测时的起始稀释比例为1:1000(实际使用时需根据抗原水平的高低作适当调整)。
- 本抗体如果用于常规的Western检测至少可以检测10次。

包装清单:

产品编号	产品名称	包装
AC062-1	Caspase-9抗体(小鼠单抗)	10μl
AC062-2	Western一抗稀释液	10ml
—	说明书	1份

保存条件:

Caspase-9抗体-20℃保存, Western一抗稀释液-20℃或4℃保存, 一年有效。Western一抗稀释液优先推荐4℃保存, 长期不使用可以考虑-20℃保存, 但冻融可能会导致出现轻微的浑浊和少量不溶物。

注意事项:

- 对于本抗体, Western检测时一抗要4℃缓慢摇动过夜, 如果仅短时间与一抗孵育检测效果较差。
- 在Western实验后, 请注意回收稀释的抗体。回收的抗体在进行Western实验时至少可以重复使用10次。稀释后的抗体, 包括已经使用过的稀释抗体, 4℃保存。
- 回收后重复使用的抗体, 使用方法同新鲜稀释的抗体。如果在重复使用过程中发现抗体出现轻微混浊现象, 可以10000g离心1-3分钟, 取上清用于后续检测。如果回收的抗体出现明显的絮状物或长霉长菌等情况, 则可以考虑废弃该抗体。
- 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检测:

- 按照1: 1000用碧云天提供的Western一抗稀释液稀释抗体。
- 把经过封闭的蛋白膜与稀释好的一抗4℃缓慢摇动过夜, 确保稀释的抗体至少能在摇动的瞬间覆盖蛋白膜。
- 回收稀释的一抗, 4℃保存以备下次继续使用。
- 按照Western的实验步骤进行后续的洗涤、二抗孵育、洗涤和检测等操作。具体操作可以参考如下网页:
<http://www.beyotime.com/support/western.htm>

使用本产品的文献:

1. Pei J, Deng J, Ye Z, Wang J, Gou H, Liu W, Zhao M, Liao M, Yi L, Chen J . Absence of autophagy promotes apoptosis by modulating the ROS-dependent RLR signaling pathway in classical swine fever virus-infected cells. *Autophagy*. 2016 Oct 2;12(10):1738-58.
2. Wenhui Li, Zilin Zhang, Liangliang Zhang, Qingfeng Zhou, Yuwan Li, Lin Yi, Hongxing Ding, Mingqiu Zhao, Jinding Chen, Shuangqi Fan . Interaction of SERINC5 and IFITM1/2/3 regulates the autophagy-apoptosis-immune network under CSFV infection *Virulence*. 2022 Dec;13(1):1720-1740.
3. Qing-Zhou Chen, Xin Wang, Fan Luo, Ning Li, Ni Zhu, Shuang Lu, Yu-Xing Zan, Chao-Jie Zhong, Mei-Rong Wang, Hai-Tao Hu, Yong-Zhen Zhang, Hai-Rong Xiong, Wei Hou . HTNV Sensitizes Host Toward TRAIL-Mediated Apoptosis-A Pivotal Anti-hantaviral Role of TRAIL *Front Immunol*. 2020 Jun 19;11:1072.
4. Gao Z, Kang X, Hu J, Ju Y, Xu C. . Induction of apoptosis with mitochondrial membrane depolarization by glycyrrhetic acid derivative in human leukemia K562 cells. *Cytotechnology*. 2012 Aug;64(4):421-8.
5. Kang X, Hu J, Gao Z, Ju Y, Xu C. . Synthesis, anti-proliferative and proapoptotic activity of novel oleanolic acid azaheterocyclic derivatives. *MEDCHEMCOMM*. 2012 Aug;10:1245-9.
6. Zhang C, Zhao J, Deng H. . 17 β -Estradiol up-regulates miR-155 expression and reduces TP53INP1 expression in MCF-7 breast cancer cells. *Mol Cell Biochem*. 2013 Jul;379(1-2):201-11.
7. Zhang Y, Duan W, Owusu L, Wu D, Xin Y. . Epigallocatechin-3-gallate induces the apoptosis of hepatocellular carcinoma LM cells but not non-cancerous liver cells. *Int J Mol Med*. 2015 Jan;35(1):117-24.
8. Wang YH, Zhao WJ, Zheng WJ, Mao L, Lian HZ, Hu X, Hua ZC . . Effects of Different Zinc Species on Cellular Zinc Distribution, Cell Cycle, Apoptosis and Viability in MDAMB231 Cells. *Biol Trace Elem Res*. 2016 Mar;170(1):75-83.
9. Jing HX, Duan de J, Zhou H, Hu QM, Lei TC . . Adipose derived mesenchymal stem cell facilitated TRAIL expression in melanoma treatment in vitro. *Mol Med Rep*. 2016 Jul;14(1):195-201.
10. Yu XB, Chen XH, Ling F, Hao K, Wang GX, Zhu B . . Moroxydine hydrochloride inhibits grass carp reovirus replication and suppresses apoptosis in Ctenopharyngodon idella kidney cells. *ANTIVIR RES*. 2016 Jul;131:156-65.
11. Han YY, Tang JJ, Gao RF, Guo X, Lei M, Gao JM . . A new semisynthetic 1-O-acetyl-6-O-lauroylbritannilactone induces apoptosis of human laryngocarcinoma cells through p53-dependent pathway. *Toxicol In Vitro*. 2016 Sep;35:112-20.
12. Peng X, Gan J, Wang Q, Shi Z, Xia X . 3-Monochloro-,2-propanediol (3-MCPD) induces apoptosis via mitochondrial oxidative phosphorylation system impairment and the caspase cascade pathway. *Toxicology*. 2016 Nov 30;372:1-11.
13. Zhong Y, Jin C, Gan J, Wang X, Shi Z, Xia X, Peng X. Apigenin attenuates patulin-induced apoptosis in HEK293 cells by modulating ROS-mediated mitochondrial dysfunction and caspase signal pathway. *Toxicol*. 2017 Oct;137:106-113.
14. Kang J, Jia Z, Ping Y, Liu Z, Yan X, Xing G, Yan W . Testosterone alleviates mitochondrial ROS accumulation and mitochondria-mediated apoptosis in the gastric mucosa of orchietomized rats. *Arch Biochem Biophys*. 2018 Jul 1;649:53-59.
15. Zhong Y, Jin C, Wang X, Li X, Han J, Xue W, Wu P, Peng X, Xia X . Protective effects of apigenin against 3-MCPD-induced renal injury in rat. *CHEM-BIOL INTERACT*. 2018 Dec 25;296:9-17.
16. Ding L, Gu H, Lan Z, Lei Q, Wang W, Ruan J, Yu M, Lin J, Cui Q . Downregulation of cyclooxygenase-1 stimulates mitochondrial apoptosis through the NF- κ B signaling pathway in colorectal cancer cells. *Oncol Rep*. 2019 Jan 41(1):559-569.
17. Biqian Fu, Shengyan Xi, Yanhui Wang, Xiangyang Zhai, Yanan Wang, Yuewen Gong, Yangxinzi Xu, Jiaqi Yang, Yingkun Qiu, Jing Wang, Dawei Lu, Shuqiong Huang . The Protective Effects of Ciji-Hua'ai-Baosheng II Formula on Chemotherapy-Treated H 22 Hepatocellular Carcinoma Mouse Model by Promoting Tumor Apoptosis *Front Pharmacol*. 2019 Jan 8;9:1539.
18. Xu J, Zhang G, Tong Y, Yuan J, Li Y, Song G . Corilagin induces apoptosis, autophagy and ROS generation in gastric cancer cells in vitro. *Int J Mol Med*. 2019 Feb 43(2):967-979.
19. Ma Y, Wang Y, Song B . Griffipavixanthone induces apoptosis of human breast cancer MCF-7 cells in vitro. *Breast Cancer*. 2019 Mar 26(2):190-197.
20. Yanchun M, Yi W, Lu W, Yu Q, Jian Y, Pengzhou K, Ting Y, Hongyi L, Fang W, Xiaolong C, Yongping C . Triptolide prevents proliferation and migration of Esophageal Squamous Cell Cancer via MAPK/ERK signaling pathway. *Eur J Pharmacol*. 2019 May 15 851:43-51.
21. Xu Bai, Yu Wang, Bo Hu, Qi Cao, Maochen Xing, Shuliang Song, Aiguo Ji . Fucoidan Induces Apoptosis of HT-29 Cells via the Activation of DR4 and Mitochondrial Pathway *Mar Drugs*. 2020 Apr 20;18(4):220.
22. Haifeng Jin, Yu Jiao, Linna Guo, Yong Ma, Rongjie Zhao, Xuemei Li, Lei Shen, Zhongguang Zhou, Sang Chan Kim, Jicheng Liu . Astragaloside IV blocks monocrotaline-induced pulmonary arterial hypertension by improving inflammation and pulmonary artery remodeling *Int J Mol Med*. 2021 Feb;47(2):595-606.
23. Jingjing Zong, Hao Peng, Xin Qing, Zhe Fan, Wenjing Xu, Xuanlong Du, Ruihua Shi, Yewei Zhang . pH-Responsive Pluronic F127-Lenvatinib-Encapsulated Halogenated Boron-Dipyrromethene Nanoparticles for Combined Photodynamic Therapy and Chemotherapy of Liver Cancer *ACS Omega*. 2021 Apr 30;6(18):12331-12342.
24. Bo Yan, Shao-Ju Min, Bin Xu, Cheng Zhang, Jun Pei, Wei Zhang, Guang-Heng Luo . The protective effects of exogenous spermine on renal ischemia-reperfusion injury in rats *Transl Androl Urol*. 2021 May;10(5):2051-2066.
25. Meijuan Meng, Lairong Wang, Yan Wang, Nana Ma, Wan Xie, Guangjun Chang, Xiangzhen Shen . A high-concentrate diet provokes inflammation, endoplasmic reticulum stress, and apoptosis in mammary tissue of dairy cows through the upregulation of STIM1/Orai1 *J Dairy Sci*. 2022 Apr;105(4):3416-3429.