



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

## 辣根过氧化物酶标记驴抗山羊IgG (H+L)

产品编号	产品名称	包装
A0181	辣根过氧化物酶标记驴抗山羊IgG (H+L)	0.2ml

### 产品简介:

来源	用途	WB	ELISA	IHC
Donkey	WB, ELISA, IHC	1:1000-2000	1:250-500	1:50-100

WB, Western blot; IHC, Immunohistochemistry.

- 本辣根过氧化物酶标记驴抗山羊IgG (H+L) (HRP-labeled Donkey Anti-Goat 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驴抗山羊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。
- 本抗体为用纯化的山羊IgG免疫驴, 然后用亲和纯化柱对获得的抗血清进行纯化, 并经过人、兔、小鼠、大鼠、豚鼠、仓鼠、马、鸡血清吸附纯化的优质二抗。对人、兔、小鼠、大鼠、豚鼠、仓鼠、马、鸡血清蛋白几乎没有结合能力(Minimal Cross-reaction to Human, Rabbit, Mice, Rat, Guinea Pig, Syrian Hamster, Horse and Chicken Serum Proteins)。
- 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, 可以检测20次。

### 包装清单:

产品编号	产品名称	包装
A0181	辣根过氧化物酶标记驴抗山羊IgG (H+L)	0.2ml
-	说明书	1份

### 保存条件:

-20°C保存, 一年有效。4°C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. Mengyu Liu, Huifeng Pi, Yu Xi, Liting Wang, Li Tian, Mengyan Chen, Jia Xie, Ping Deng, Tao Zhang, Chao Zhou, Yidan Liang, Lei Zhang, Mindi He, Yonghui Lu, Chunhai Chen, Zhengping Yu, Zhou Zhou . KIF5A-dependent axonal transport deficiency disrupts autophagic flux in trimethyltin chloride-induced neurotoxicity Autophagy. 2021 Apr;17(4):903-924.
2. 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.
3. Qingshi Meng, Liang Chen, Bohui Xiong, Beining Kang, Pengfei Zhang, Shanlong Tang, Hui Han, Wei Shen, Xiaohui Feng, Shengnan Feng, Ruqing Zhong, Xiangfang Tang, Sheng Zhang, Hongfu Zhang, Yong Zhao . Single-Cell Transcriptome Sequencing and Proteomics Reveal Neonatal Ileum Dynamic Developmental Potentials mSystems. 2021 Oct 26;6(5):e0072521.
4. Liang Chen, Qingshi Meng, Shen Li, Yue Jiang, Cong Zhang, Shanlong Tang, Ruqing Zhong, Xiangfang Tang, Sheng Zhang, Xiaohui Feng, Yong Zhao, Hongfu Zhang . Multi-Omics Uncover Neonatal Cecal Cell Development Potentials Front Cell Dev Biol. 2022 Jul 15;10:840298.
5. Kangjia Lv, Hui Ying, Guangyi Hu, Jing Hu, Qizhi Jian, Fang Zhang . Integrated multi-omics reveals the activated retinal microglia with intracellular metabolic reprogramming contributes to inflammation in STZ-induced early diabetic retinopathy Front Immunol. 2022 Sep 2;13:942768.
6. 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.
7. Li X, Ye X, Li X, Sun X, Liang Q, Tao L, Kang X, Chen J. . Salidroside protects against MPP(+)-induced apoptosis in PC12 cells by inhibiting the NO pathway. Brain Res. . 2011 Mar 25;1382:9-18.
8. Guo X, Li J, Wang T, Liu Z, Chen X, Li Y, Gu Z, Mao X, Guan W, Li Y. . A

- Mutation in Intracellular Loop 4 Affects the Drug-Efflux Activity of the Yeast Multidrug Resistance ABC Transporter Pdr5p. *PLoS One*. . 2012;7(1):e29520.
9. Zhou TF, Yu JG. . Recombinant human erythropoietin attenuates neuronal apoptosis and cognitive defects via JAK2/STAT3 signaling in experimental endotoxemia. *J Surg Res*. . 2013 Jul;183(1):304-12.
  10. Yu Y, Tong Q, Li Z, Tian J, Wang Y, Su F, Wang Y, Liu J, Zhang Y. . Improved site-specific recombinase-based method to produce selectable marker- and vector-backbone-free transgenic cells. *SCI REP-UK*. . 2014 Feb 28;4:4240.
  11. Tang C, Yang L, Jiang X, Xu C, Wang M, Wang Q, Zhou Z, Xiang Z, Cui H. . Antibiotic drug tigeicycline inhibited cell proliferation and induced autophagy in gastric cancer cells. *BIOCHEM BIOPH RES CO*. . 2014 Mar 28;446(1):105-12.
  12. Chen Z, Li J, Wang W, Guo X, Li Y, Mao X, Chen X, Guan W. . Mutations adjacent to the end of transmembrane helices 6 and 7 independently affect drug efflux capacity of yeast ABC transporter Pdr5p. *BBA-BIOMEMBRANES*. . 2014 Mar;1838(3):932-9.
  13. Zhang M, Wang G, Tao Y, Zhang H. . The proinflammatory effect and molecular mechanism of IL- 17 in the intestinal epithelial cell line HT-29. *J BUON*. . 2015 Jan-Feb;20(1):120-7.
  14. 14. Gong T, Wei Q, Mao D, Shi F. . Expression patterns of taste receptor type 1 subunit 3 and  $\alpha$ -gustducin in the mouse testis during development. *Acta Histochem*. . 2016 Jan;118(1):20-30.
  15. 15. Gao J, Zhang Y, Wang L, Xia L, Lu M, Zhang B, Chen Y, He L. . Endoplasmic reticulum protein 29 is involved in endoplasmic reticulum stress in islet beta cells. *Mol Med Rep*. . 2016 Jan;13(1):398-402.
  16. Huang GH, Yang XT, Chen K, Xing J, Guo L, Zhu L, Li HJ, Li XC, Zhang SY, Feng DF. . Porf-2 Inhibits Neural Stem Cell Proliferation Through Wnt/ $\beta$ -Catenin Pathway by Its GAP Domain. *Front Cell Neurosci*. . 2016 Mar 31;10:85.
  17. Peng GZ, Ye QF, Wang R, Li MX, Yang ZX. . Knockdown by shRNA identifies SLC44A5 as a potential therapeutic target in hepatocellular carcinoma. *Mol Med Rep*. . 2016 Jun;13(6):4845-52.
  18. Yao JJ, Zhao QR, Liu DD, Chow CW, Mei YA. . Neuritin Up-regulates Kv4.2  $\alpha$ -Subunit of Potassium Channel Expression and Affects Neuronal Excitability by Regulating the Calcium-Calcineurin-NFATc4 Signaling Pathway. *J Biol Chem*. . 2016 Aug 12;291(33):17369-81.
  19. Han J, Xie Y, Sui F, Liu C, Du X, Liu C, Feng X, Jiang D. . Zisheng Shenqi decoction ameliorates monosodium urate crystal-induced gouty arthritis in rats through anti-inflammatory and anti-oxidative effects. *Mol Med Rep*. . 2016 Sep;14(3):2589-97.
  20. Tan JY, Jia LQ, Shi WH, He Q, Zhu L, Yu B. . Rab5a mediated autophagy regulates the phenotype and behavior of vascular smooth muscle cells. *Mol Med Rep*. . 2016 Nov;14(5):4445-4453. (IF 2.1)
  21. Zhao Y, Zhang WD, Liu XQ, Zhang PF, Hao YN, Li L, Chen L, Shen W, Tang XF, Min LJ, Meng QS, Wang SK, Yi B, Zhang HF. . Hydrogen Sulfide and/or Ammonia Reduces Spermatozoa Motility through AMPK/AKT Related Pathways. *SCI REP-UK*. . 2016 Nov 24;6:37884.
  22. Deng S, Jin T, Zhang L, Bu H, Zhang P. . Mechanism of tacrolimus-induced chronic renal fibrosis following transplantation is regulated by ox-LDL and its receptor, LOX-1. *Mol Med Rep*. . 2016 Nov;14(5):4124-34.
  23. Zhang ML, Fu FH, Yu LC. . Antinociception induced by galanin in anterior cingulate cortex in rats with acute inflammation. *Neurosci Lett*. . 2016 Dec 16;638:156-61.
  24. Gong T, Wei QW, Mao DG, Nagaoka K, Watanabe G, Taya K, Shi FX. . Effects of Daily Exposure to Saccharin and Sucrose on Testicular Biologic Functions in Mice. *Biol Reprod*. . 2016 Dec;95(6):116.
  25. Wang Y, Zhao Y, Yu S, Feng Y, Zhang H, Kou X, Chu M, Cui L, Li L, Zhang P, Shen W, Min L. . Regulation of steroid hormones and energy status with cysteamine and its effect on spermatogenesis. *TOXICOL APPL PHARM*. . 2016 Dec 15;313:149-58.
  26. Zhang H, Sheng L, Tao J, Chen R, Li Y, Sun Z, Qian W. . Depletion of the triggering receptor expressed on myeloid cells 2 inhibits progression of renal cell carcinoma via regulating related protein expression and PTEN-PI3K/Akt pathway. *Int J Oncol*. . 2016 Dec;49(6):2498-506.
  27. Xu YJ, Wang Y, Lu YF, Xu SF, Wu Q, Liu J. . Age-associated differences in transporter gene expression in kidneys of male rats. *Mol Med Rep*. . 2017 Jan;15(1):474-82.
  28. Jiang C, Liu C, Guo J, Chen L, Luo N, Qu X, Yang W, Ren Q, Cheng Z. . The Expression of Toll-like receptors in eutopic and ectopic endometrium and its implication in the inflammatory pathogenesis of adenomyosis. *SCI REP-UK*. . 2017 Aug 4;7(1):7365.
  29. Tong H, Zhang X, Meng X, Lu L, Mai D, Qu S. . Simvastatin Inhibits Activation of NADPH Oxidase/p38 MAPK Pathway and Enhances Expression of Antioxidant Protein in Parkinson Disease Models. *Front Mol Neurosci*. . 2018 May 22;11:165.
  30. Pei G, Li B, Ma A. . Suppression of Hiwi inhibits the growth and epithelial-mesenchymal transition of cervical cancer cells. *Oncol Lett*. . 2018 Sep;16(3):3874-3880.
  31. Wang L, Shen S, Wang M, Ding F, Xiao H, Li G, Hu F. . Rho GTPase Activating Protein 24 (ARHGAP24) Silencing Promotes Lung Cancer Cell Migration and Invasion by Activating  $\beta$ -Catenin Signaling. *MED SCI MONITOR*. 2019 Jan 1 25:21-31.
  32. Fan X, Yan K, Meng Q, Sun R, Yang X, Yuan D, Li F, Deng H. . Abnormal expression of SIRT6 in psoriasis: Decreased expression of SIRT 1-5 and increased expression of SIRT 6 and 7. *Int J Mol Med*. 2019 Jul 44(1):157-171.
  33. Wang L, Shen S, Xiao H, Ding F, Wang M, Li G, Hu F. . ARHGAP24 inhibits cell proliferation and cell cycle progression and induces apoptosis of lung cancer via a STAT6-WWP2-P27 axis. *Carcinogenesis*. 2019 Aug 20 pii: bgz144.
  34. Nie X, Zhou Y, Li X, Xu J, Pan X, Yin R, Lu B. . Calycosin down-regulates c-Met to suppress development of glioblastomas. *J BIOSCI BIOENG*. 2019 Sep 44(4). pii: 96.
  35. Zhaohui Liu, Yanli Meng, Yu Miao, Lili Yu, Qiannan Yu. . Propofol reduces renal ischemia/reperfusion-induced acute lung injury by stimulating sirtuin 1 and inhibiting pyroptosis. *Aging (Albany NY)*. 2020 Dec 1;13(1):865-876.
  36. Ying-Ting Wu, Si-Yu Ma, Wen-Qin Sun, Wei-Wei Shen, Hui-Ting Zhu, Qin Zhang, Hui-Fen Chen. . TRIM65 Promotes Invasion of Endometrial Stromal Cells by Activating ERK1/2/C-myc Signaling via Ubiquitination of DUSP6. *J Clin Endocrinol Metab*. 2021 Jan 23;106(2):526-538.
  37. Lin Ye, Wanxia Pang, Yanheng Huang, Hongluan Wu, Xiaorong Huang, Jianxing Liu, Shujun Wang, Chen Yang, Qingjun Pan, Huafeng Liu. . Lansoprazole promotes cisplatin-induced acute kidney injury via enhancing tubular necroptosis. *J Cell Mol Med*. 2021 Mar;25(5):2703-2713.
  38. Xiao Han, Cong Zhang, Xiangping Ma, Xiaowei Yan, Bohui Xiong, Wei Shen, Shen Yin, Hongfu Zhang, Qingyuan Sun, Yong Zhao. . Muscarinic acetylcholine receptor M5 is involved in spermatogenesis through the modification of cell-cell junctions. *Reproduction*. 2021 May 27;162(1):47-59.
  39. Dongqin Wu, Di Gao, Haitao Yu, Guilin Pi, Rui Xiong, Huiyang Lei, Xin Wang, Enjie Liu, Jinwang Ye, Huilin Yu, Yang Gao, Ting He, Tao Jiang, Fei Sun, Jingfen Su, Guoda Song, Wenju Peng, Ying Yang,

- Jian-Zhi Wang . Medial septum tau accumulation induces spatial memory deficit via disrupting medial septum-hippocampus cholinergic pathway *Clin Transl Med*. 2021 Jun;11(6):e428.
40. Gui-Lin Jin, Li-Mian Hong, Hai-Ping Liu, Rong-Cai Yue, Zu-Cheng Shen, Jian Yang, Ying Xu, Hui-Hui Huang, Yi Li, Bo-Jun Xiong, Yan-Ping Su, Chang-Xi Yu . Koumine modulates spinal microglial M1 polarization and the inflammatory response through the Notch-RBP-Jk signaling pathway, ameliorating diabetic neuropathic pain in rats *Phytomedicine*. 2021 Sep;90:153640.
41. Qing Li, Chang Liu, Liang Deng, Enrui Xie, Nishant Yadav, Yuanyuan Tie, Zheng Cheng, Jie Deng . Novel function of fluvastatin in attenuating oxidized low-density lipoprotein-induced endothelial cell ferroptosis in a glutathione peroxidase4- and cystine-glutamate antiporter-dependent manner *Exp Ther Med*. 2021 Nov;22(5):1275.
42. Rongqin Dai, Meirong Wu, Yin Zhang, Zunmin Zhu, Jie Shi . G protein nucleolar 3 promotes Non-Hodgkin lymphoma progression by activating the Wnt/ $\beta$ -catenin signaling pathway *Exp Cell Res*. 2021 Dec 15;409(2):112911.
43. Guang-Ping Lang, Can Li, Ying-Ying Han . Rutin pretreatment promotes microglial M1 to M2 phenotype polarization *Neural Regen Res*. 2021 Dec;16(12):2499-2504.
44. Meng-Ran Li, Chun-Tao Lei, Hui Tang, Xing-Jie Yin, Zhe Hao, Yang Qiu, Ya-Ru Xie, Jie-Yu Zeng, Hua Su, Chun Zhang . MAD2B promotes podocyte injury through regulating Numb-dependent Notch 1 pathway in diabetic nephropathy *Int J Biol Sci*. 2022 Feb 21;18(5):1896-1911.
45. Yanan Hao, Yanni Feng, Xiaowei Yan, Liang Chen, Ruqing Zhong, Xiangfang Tang, Wei Shen, Qingyuan Sun, Zhongyi Sun, Yonglin Ren, Hongfu Zhang, Yong Zhao . Gut microbiota-testis axis: FMT improves systemic and testicular micro-environment to increase semen quality in type 1 diabetes *Mol Med*. 2022 Apr 25;28(1):45.
46. Shimao Song, Xinzhou Deng, Shan Jiang, Chao Tian, Jiahui Han, Jingjing Chai, Na Li, Yutao Yan, Zhiguo Luo . GRAP2 is a prognostic biomarker and correlated with immune infiltration in lung adenocarcinoma *J Clin Lab Anal*. 2022 Nov;36(11):e24662.
47. Dongchen Qian, Yueyue Chen, Xusheng Qiu, Baohua Zhu, Lin Zhang, Yifeng Yan, Yixin Chen . Hyperin up-regulates miR-7031-5P to promote osteogenic differentiation of MC3T3-E1 cells *Histol Histopathol*. 2023 Oct;38(10):1219-1229.

Version 2024.03.12