Product Datasheet

GAPDH Antibody

Catalog No: #24830

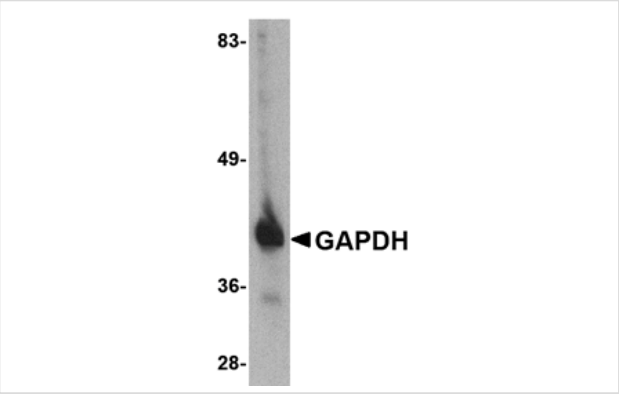
Package Size: #24830 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

Product Name	GAPDH Antibody
Host Species	Chicken
Clonality	Polyclonal
Purification	Affinity chromatography purified via peptide column
Applications	ELISA WB
Species Reactivity	Human;Mouse;Rat
Immunogen Type	Peptide
Immunogen Description	Raised against a 16 amino acid peptide from near the carboxy terminus of human GAPDH.
Conjugates	Unconjugated
Target Name	GAPDH
Other Names	Glyceraldehyde-3-phosphate dehydrogenase, G3PDH, GAPD
Accession No.	P04406
Concentration	1mg/ml
Formulation	Supplied in PBS containing 0.02% sodium azide.
Storage	Can be stored at -20°C, stable for one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

Images



Western blot analysis of GAPDH in HeLa cell lysate with GAPDH antibody at 1 ug/mL.

Background

Glyceraldehyde-3-phosphate dehydrogenase (GAPDH) catalyzes the reversible oxidative phosphorylation of glyceraldehyde-3-phosphate in the presence of inorganic phosphate and nicotinamide adenine dinucleotide (NAD), an important energy-yielding step in carbohydrate metabolism. Recent evidence suggests that it also is involved in a number of cellular processes such as membrane fusion, phosphotransferase activity, DNA replication and repair, and nuclear RNA export. GAPDH has also been implicated in playing a role in different pathologies such as cancer progression, apoptosis, and neuronal diseases such as Alzheimerβ s and Huntingtonβ s disease. GAPDH is constitutively expressed at high levels in almost all tissues and cell lines making it ideal for use as a loading control marker in immunoblots.

Published Papers

Caixia Yan;Qilin Diao;Yuxi Zhao;Cheng Zhang;Xiaoya He;Ruijie Huang;Yan Li el at., Fusobacterium nucleatum infection-induced neurodegeneration and abnormal gut microbiota composition in Alzheimer's disease-like rats, , (2022)

PMID:36188448

Dai Xiaoxiao;Ni Liwei;Pan Jia;Shen Zhu;Shi Aiming;Su Cunjin;Tao Jialong;Xu Jianhao;Zhang Yusong;Zhao Fenglun el at., Overexpression of hsa_circ_0002874 promotes resistance of non-small cell lung cancer to paclitaxel by modulating miR-1273f/MDM2/p53 pathway, , (2021)

PMID:33612481

Yurong Ji;Weiju Han;Xiaoling Fu;Jing Li;Qi Wu;Yingjun Wang el at., Improved Small Extracellular Vesicle Secretion of Rat Adipose-Derived Stem Cells by Microgrooved Substrates through Upregulation of the ESCRT-III-Associated Protein Alix, , (2021)

PMID:34176241

Shuai Li;Yizhou Jiang;Xingan Xing;Ruohong Lin;Qin Li;Wenshu Zhou;Wei Qiu;Wenhua Zheng el at., Protective Mechanism of Berberine on Human Retinal Pigment Epithelial Cells against Apoptosis Induced by Hydrogen Peroxide via the Stimulation of Autophagy, , (2021)

PMID:34422209

Xiaoliang Wang;Yajie Xu;Yong Zhang;Yanna Si;Leng Jing;Hongguang Bao el at., The effect of adiponectin on LPS-induced inflammation via autophagy in RAW 264.7 macrophages, , (2017)

PMID:

Hao Shuning;Zuo Feifei;Zhang Hongmin;Wang Ying;Huang Liwen;Ma Fenghui;Song Tiefeng;Zhang Tongcun;Ren Xuejun;Wang Nan el at., LncRNA RP11-301G19.1 is required for the maintenance of vascular smooth muscle cell contractile phenotype via sponging miR-17-5P/ATOH8 axis, , (2024)

PMID:

ζ• θ• θ—-;θ Έ ε• ι »;η¨ η• ³;ε²³ η'l'η ;εΌ ζ ε ;ζ² ι ³;Du Lingyu;Xu Bowen;Cheng Lin;Yue Hongyan;Zhang Huaiyi;Shen Yang;DU Lingyu;XU Bowen;CHENG Lin;YUE Hongyan;ZHANG Huaiyi;SHEN Yang el at., Mechanobiological Mechanisms Involved in the Regulation of the Blood-Brain Barrier by Fluid Shear Force, , (2024)

PMID:

Hao Yihang;Wang Haofan;Liu Xianggen;Gai Wenrui;Hu Shilong;Liu Wencheng;Miao Zhuang;Gan Yu;Yu Xianghua;Shi Rongjia;Tan Yongzhen;Kang Ting;Hai Ao;Zhao Yi;Fu Yihang;Tang Yaling;Ye Ling;Liu Jin;Liang Xinhua;Ke Bowen el at., Deep simulated annealing for the discovery of novel dental anesthetics with local anesthesia and anti-inflammatory properties, , (2024)

PMID:

Note: This product is for in vitro research use only and is not intended for use in humans or animals.