

PRODUCT DATA SHEET

GAPDH mAb (2B8)

Catalog No.	IDS0102
Reactivity	Human; Mouse; Rat; Mk; Dg; Ch; Hamster; Rabbit; Pig; sheep; Insect; Yeast
Applications	WB; IHC-p; IF/ICC
Alternative Names	Glyceraldehyde-3-phosphate dehydrogenase; Peptidyl-cysteine S-nitrosylase GAPDH; GAPDH
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.07% sodium azide.
Source	Mouse
Dilution	WB: 1:5000-1:20000; IHC: 1:200-1:300; IF: 1:200
Purification	The antibody was affinity-purified from mouse ascites by affinity-chromatography using specific immunogen.
Concentration	1 mg/ml
Storage&Stability	Store at $4 \degree C$ short term. Aliquot and store at $-20 \degree C$ long term. Avoid freeze-thaw cycles.
Subcellular Location	-
MW	~ 37 kDa
Background	Glyceraldehyde 3 phosphate dehydrogenase (GAPDH) is well known as one of the key enzymes involved in glycolysis. As well as functioning as a glycolytic enzyme in cytoplasm, recent evidence suggests that mammalian GAPDH is also involved in a great number of intracellular proceses such as membrane fusion, microtubule bundling, phosphotransferase activity, nuclear RNA export, DNA replication, and DNA repair. During the last decade a lot of data appeared concerning the role of GAPDH in different pathologies including prostate cancer progression, programmed neuronal cell death, age related neuronal diseases, such as Alzheimer's and Huntington's disease. GAPDH is expressed in all cells. It is constitutively expressed in almost all tissues at high levels. There are however some physiological factors such as hypoxia and diabetes that increase GAPDH expression in certain cell types. GAPDH molecule is composed of four 36kDa subunits.
Swiss-Prot	P04406

Products Images:



Cheng, Xiaocheng, et al. "TNAP is a novel regulator of cardiac fibrosis after myocardial infarction by mediating TGF- β /Smads and ERK1/2 signaling pathways." EBioMedicine 67 (2021): 103370.



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Wang, Yingying, et al. "p75NTR-/- mice exhibit an alveolar bone loss phenotype and inhibited PI3K/Akt/ β -catenin pathway." Cell proliferation 53.4 (2020): e12800.



Immunofluorescence analysis of Hela cell. 1,Cyclin D1 Polyclonal Antibody(red) was diluted at 1:200(4° overnight). GAPDH Monoclonal Antibody(288)(green) was diluted at 1:200(4° overnight). 2, Goat Anti Rabbit Alexa Fluor 594 Catalog:RS3611 was diluted at 1:1000(room temperature, 50min). Goat Anti Mouse Alexa Fluor 488 Catalog:RS3208 was diluted at 1:1000(room temperature, 50min).



Immunohistochemical analysis of paraffin-embedded Human-colon tissue. 1,GAPDH Monoclonal Antibody(2B8) was diluted at 1:200(4°C,overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval(>98°C,20min). 3,Secondary antibody was diluted at 1:200(room tempeRature, 30min). Negative control was used by secondary antibody only.



The picture was kindly provided by our customer