

Anti-GAPDH Antibody (monoclonal, 5A12)

Catalog Number: M00227-6

About GAPDH

The enzyme glyceraldehydes-3-phosphate dehydrogenase is a tetramer of identical chains that catalyzes the reversible oxidative phosphorylation of glyceraldehydes-phosphate in the presence of inorganic phosphate and nicotinamide adenine dinucleotide. This is an important energy-yielding step in carbohydrate metabolism. GAPDH is found in almost all species with low rate of evolutionary changes.

Overview

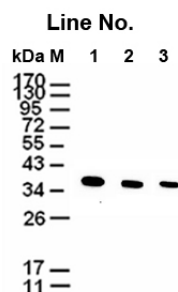
Product Name	Anti-GAPDH Antibody (monoclonal, 5A12)
Reactive Species	All species
Description	Boster Bio Anti-GAPDH Antibody (monoclonal, 5A12) catalog # M00227-6. Tested in ELISA, Dot, WB applications. This antibody reacts with all species.
Conjugate	HRP
Application	Dot blot, ELISA, WB
Clonality	Monoclonal 5A12
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage Instructions	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.
Host	Mouse
Uniprot ID	P04406

Technical Details

Immunogen	Synthetic peptide CRLEKPAKYDDIKK coupled to KLH
Predicted Reactive Species	Bovine, Canine, Equine, Guinea Pig, Pig, Rabbit, Zebrafish
Isotype	IgG1
Form	Liquid
Concentration	1 mg/mL.
Purification	Protein A purified
Suggested Dilutions	Dilute the sample so that the expected range of concentrations fall within the detection range of this kit. If the expected range of concentration is unknown, a pilot test should be conducted to decide the

optimal dilution ratio for your samples.
Some PubMed article(s) citing the expression level of this target are as follows:
Boster Bio's internal QC testing used:
1:500-1:5000

Anti-GAPDH Antibody (monoclonal, 5A12) (M00227-6) Images



Western blot analysis of different concentration of Anti-GAPDH (5A12) Monoclonal Antibody

Antigen: 293T cell lysate

Line No.

1: 1 ug/mL

2: 0.5 ug/mL

3: 0.1 ug/mL

Blocking: Incubate the membrane with 5% Non-Fat Milk, PBS, 4 °C overnight

Antibody Incubation: Diluted antibody in 5% Non-Fat Milk, TBS, 0.1% Tween-20, RT, 30mins

38 Publications Citing This Product

1. PubMed ID: 10.1016/j.jchemneu.2019.101682, The temporal and spatial changes of microtubule cytoskeleton in the CA1 stratum radiatum following global transient ischemia
2. PubMed ID: 31261950, Huang W,Guo L,Zhao M,Zhang D,Xu H,Nie Q.The Inhibition on MDFIC and PI3K/AKT Pathway Caused by miR-146b-3p Triggers Suppression of Myoblast Proliferation and Differentiation and Promotion of Apoptosis.Cells.2019 Jun 29;8(7):656.doi:10.3390/cells8070656.PMID:31261950; PMCID:PMC6678156.
3. PubMed ID: 31186633, Xie R,Liu J,Yu X,Li C,Wang Y,Yang W,Hu J,Liu P,Sui H,Liang P,Huang X,Wang L,Bai Y,Xue Y,Zhu J,Fang T.ANXA2 Silencing Inhibits Proliferation, Invasion, and Migration in Gastric Cancer Cells.J Oncol.2019 May 2;2019:4035460.doi:10.1155/2019/4035460.PMID:31186633;PMCID:PMC6521490.

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