

## Anti-GAPDH Rabbit Monoclonal Antibody, HRP Conjugated

Catalog Number: H00227

### About GAPDH

The ion channels activated by glutamate are typically divided into two classes. Those that are sensitive to N-methyl-D-aspartate (NMDA) are designated NMDA receptors (NMDAR) while those activated by alpha-amino-3-hydroxy-5-methyl-4-isoxalone propionic acid (AMPA) are known as AMPA receptors (AMPA). The AMPAR are comprised of four distinct glutamate receptor subunits designated (GluR1-4) and they play key roles in virtually all excitatory neurotransmission in the brain (Keinänen et al., 1990; Hollmann and Heinemann, 1994). The GluR1 subunit is widely expressed throughout the nervous system. Phosphorylation of Ser-845 on GluR1 is thought to be mediated by PKA and phosphorylation of this site increases the conductance of the AMPAR (Roche et al., 1996; Banke et al., 2000). In addition, phosphorylation of this site has been linked to synaptic plasticity as well as learning and memory (Lee et al., 2003; Esteban et al., 2003).

### Overview

Product Name	Anti-GAPDH Rabbit Monoclonal Antibody, HRP Conjugated
Reactive Species	Human, Monkey, Mouse, Rat
Description	Boster Bio Anti-GAPDH Rabbit Monoclonal Antibody, HRP Conjugated catalog # H00227. Tested in WB application. This antibody reacts with Human, Monkey, Mouse, Rat.
Application	WB
Clonality	Monoclonal A-7
Formulation	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.
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	Rabbit
Uniprot ID	P04406

### Technical Details

Immunogen	A synthesized peptide derived from human GAPDH (HRP conjugated)
Isotype	Rabbit IgG
Form	Liquid
Concentration	Actual concentration vary by lot. Use suggested dilution ratio to decide dilution procedure.
Purification	Affinity-chromatography
Suggested Dilutions	Dilute the sample so that the expected range of concentrations fall within the detection range of this

kit.

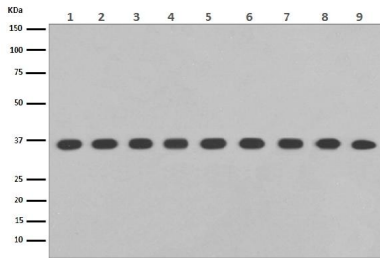
If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.

Some PubMed article(s) citing the expression level of this target are as follows:

Boster Bio's internal QC testing used:

WB 1:5000-1:20000

## Anti-GAPDH Rabbit Monoclonal Antibody, HRP Conjugated (H00227) Images



Western blot analysis of GAPDH expression in (1) Jurkat cell lysate; (2) A375 cell lysate; (3) Human hippocampus lysate; (4) Human fetal liver lysate; (5) COS-1 cell lysate; (6) Raw264.7 cell lysate; (7) Mouse kidney lysate; (8) PC-12 cell lysate; (9) Rat brain lysate

## 161 Publications Citing This Product

1. PubMed ID: 31320250, Wang H, Chen H, Jiang Z, Lin Y, Wang X, Xiang J, Peng J. Integrin subunit alpha V promotes growth, migration, and invasion of gastric cancer cells. *Pathol Res Pract*. 2019 Sep; 215(9):152531. doi:10.1016/j.prp.2019.152531. Epub 2019 Jul 10. PMID:31320250.
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: 30610869, Xiang W, Jiang T, Hao X, Wang R, Yao X, Sun K, Guo F, Xu T. Primary cilia and autophagy interaction is involved in mechanical stress mediated cartilage development via ERK/mTOR axis. *Life Sci*. 2019 Feb 1; 218:308-313. doi:10.1016/j.lfs.2019.01.001. Epub 2019 Jan 3. PMID:30610869.

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