

GAPDH

rev. 31/10/17

Cat#: R1208-3

Product Type: Rabbit Polyclonal IgG, primary antibodies

Species reactivity: Human, Mouse, Rat, Zebrafish, Rabbit, Hybrid fish (crucian-carp)

Applications: WB

Molecular Wt.: 36 kDa

Description: Glyceraldehyde-3-phosphate dehydrogenase (GAPDH) catalyzes the phosphorylation of glyceraldehyde-3-phosphate during glycolysis. It participates in nuclear events including transcription, RNA transport, DNA replication and apoptosis. GAPDH is thought to be a constitutively expressed housekeeping protein. For this reason, GAPDH mRNA and protein levels are often measured as controls in experiments quantifying specific changes in expression of other targets.

Immunogen: This antibody is produced by immunizing rabbits with a synthetic peptide (KLH-coupled) corresponding to a region of GAPDH.

Positive control:

Rabbit liver tissue, Zebrafish, NCCIT, Mouse heart tissue, hybrid fish (crucian-carp) liver tissue lysate.

Subcellular location:

Cytoplasm, Nucleus.

Database links:

SwissProt: P04406 (Human) P16858 (Mouse) P04797 (Rat)

Recommended Dilutions:

WB: 1:2,000

Storage Buffer:

1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.

Storage Instruction:

Store at +4° C after thawing. Aliquot store at -20° C or -80° C. Avoid repeated freeze / thaw cycles.

Purity:

Immunogen affinity purified.

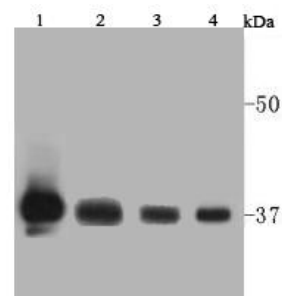


Fig1: Western blot analysis of GAPDH on different lysates using anti-GAPDH antibody at 1/1,000 dilution.

Positive control:

Lane 1: Rabbit liver tissue

Lane 2: Zebrafish

Lane 3: NCCIT

Lane 4: Mouse heart tissue

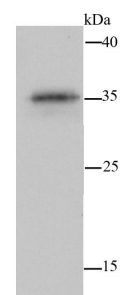


Fig2: Western blot analysis of GAPDH on hybrid fish (crucian-carp) liver tissue lysate using anti-GAPDH antibody at 1/500 dilution.

Background References

1. Allen R. W., et al. Identification of the 37-kDa protein displaying a variable interaction with the erythroid cell membrane as glyceraldehyde-3-phosphate dehydrogenase. *Biol Chem* 262:649-653 (1987).
2. Meyer-Siegler K., et al. A human nuclear uracil DNA glycosylase is the 37-kDa subunit of glyceraldehyde-3-phosphate dehydrogenase. *Proc Natl Acad Sci U. S. A.* 88:8460-8464 (1991).

Hangzhou HuaAn Biotechnology Co.,Ltd.

Orders: 0086-571-88062880

Support: 0086-571-89986345

Service mail: tech@huabio.com

www.huabio.com



华安生物

Applications: WB=Western blot IP=Immunoprecipitation IHC=Immunohistochemistry IF=Immunofluorescence FC=Flow cytometry
Species Cross-Reactivity: H=human M=mouse R=rat Hm=hamster Mk=monkey Mi=mink C=chicken Dm=D.melanogaster X=Xenopus Z=zebrafish
B=bovine Dg=dog Pg=pig Sc=S.