

Anti-GAPDH Antibody

R1108-1



Product Type:	Rabbit polyclonal IgG, primary antibodies
Species reactivity:	Human, Mouse, Rat
Applications:	WB
Molecular Wt:	Predicted band size: 36kDa

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: NCCIT, F9, PC12, Human kidney

Subcellular location: Cytoplasm, Nucleus

Database links: SwissProt: P04406 Human | P16858 Mouse | P04797 Rat

Recommended Dilutions:

WB 1:2,000-1:10,000

Storage Buffer: 1*PBS (pH7.4), 0.2% 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.

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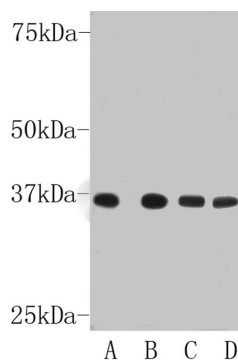
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Images

**Fig1:** Western blot analysis on

A: NCCIT

B: F9

C: PC12

D: Human kidney

cell lysates using anti-GAPDH polyclonal antibody

Note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE".

Background References

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

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