

GAPDH

Cat#: R1210-1

Quantity: 100ul

Product Type	Rabbit Polyclonal IgG, primary Ab	Tested Applications	WB
Species Cross-reactivity	Human, Mouse, Rat	Product Lot#	See on the tube
Positive control	F9, NCCIT, PC12	Form	Liquid
Cellular Localization	Cytoplasm, Nucleus	Molecular Wt.	36kDa
Database links	SwissProt P04406(human) P16858(mouse) P04797(rat)		

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.

Specificity/Source: This antibody is produced by immunizing rabbits with full length recombinant protein of GAPDH.

Recommended Dilutions:

WB: 1:5,000-1:10,000

Storage Buffer: 1*TBS (pH7.4), 0.5%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

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)

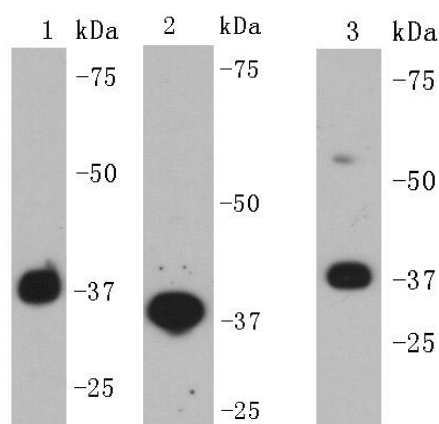


Fig1: Western blot analysis on 1: F9 2: NCCIT 3: PC12 cell lysates using anti-GAPDH polyclonal antibody.