



Overview

Product name	Anti GAPDH antibody [mPro4] - Loading Control
Description	Mouse monoclonal [mPro4] to GAPDH
Tested applications	WB, IHC, ICC/IF, FC, IP, ELISA
Species reactivity	Reacts with: Human, Mouse, Rat, Zebrafish, Yeast. Other species are not tested, Please decide the specificity by homology.
Immunogen	Full length native protein from human erythrocytes.
Positive control	This antibody gave a positive signal within WB in the following whole cell lysates: HeLa; HEK293; HepG2; NIH3T3.

Properties

Form	Liquid
Storage instructions	Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.40, Preservative: 0.02% Sodium azide, Constituent: PBS
Concentration	100 µg at 1 mg/ml
Purity	IgG fraction
Clonality	Monoclonal
Clone number	mPro4
Isotype	IgG2b

Applications

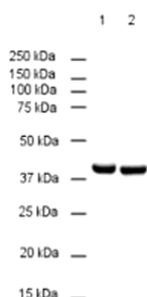
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

WB	1/5000 - 1/20000.
IHC	1/20 - 1/200.
IF	1/20 - 1/200.
IP	1/5000 - 1/20000.
FC	Use at an assay dependent concentration.

Target

Function	Has both glyceraldehyde-3-phosphate dehydrogenase and nitrosylase activities, thereby playing a role in glycolysis and nuclear functions, respectively. Participates in nuclear events including transcription, RNA transport, DNA replication and apoptosis. Nuclear functions are probably due to the nitrosylase activity that mediates cysteine S-nitrosylation of nuclear target proteins such as SIRT1, HDAC2 and PRKDC (By similarity). Glyceraldehyde-3-phosphate dehydrogenase is a key enzyme in glycolysis that catalyzes the first step of the pathway by converting D-glyceraldehyde 3-phosphate (G3P) into 3-phospho-D-glyceroyl phosphate.
Alternative names	G3P_HUMAN antibody, G3PD antibody, G3PDH antibody, GAPD antibody, GAPDH antibody, etc.

Anti GAPDH antibody [mPro4] - Loading Control images



All lanes : Anti GAPDH antibody [mPro4] - Loading Control (PMC203) at 1/20000 dilution

Lane 1 : HeLa Whole Cell Lysate.

Lane 2 : NIH3T3 Cell.

Lysates/proteins at 10 µg per lane.

Western blot - Anti GAPDH antibody [mPro4] - Loading Control (PMC203)