

Mouse GAPDH Monoclonal Antibody | anti-GAPDH antibody

GAPDH (Glyceraldehyde-3-Phosphate Dehydrogenase, G3PD, GAPD, MGC88685) (Biotin)

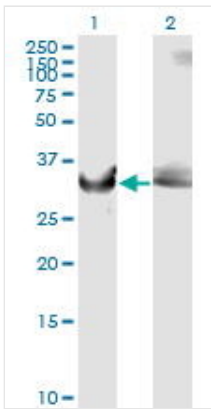
CATALOG # AAA26252	HOST Mouse	APPLICATIONS Western Blot
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PRODUCT SYNONYMS

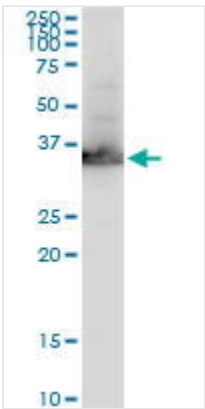
GAPDH; Monoclonal Antibody; GAPDH (Glyceraldehyde-3-Phosphate Dehydrogenase; G3PD; GAPD; MGC88685) (Biotin); Glyceraldehyde-3-Phosphate Dehydrogenase; MGC88685; anti-GAPDH antibody

PRODUCT SPECIFICATIONS

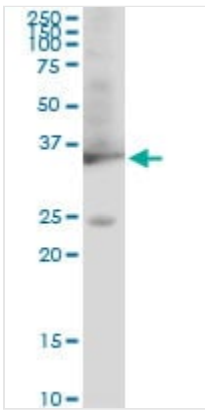
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1,k
Clone Number	3C2
Specificity	Recognizes GAPDH.
Purity/Purification	Purified
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Biotin.
Applicable Applications for anti-GAPDH antibody	WB (Western Blot)
Application Notes	Applications are based on unconjugated antibody.
Immunogen	GAPDH (NP_002037, 226aa-335aa) partial recombinant protein with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	GKLTGMAFRVPTANVSVVDLTCRLEKPAKYDDIKKVVQASEGPLKGILGYTEHQVVSSDFNSDTHSSTFDAGAGIALNDHFVKLISWYDNEFGYSNRVVI
Conjugate	Biotin
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and store at -20 degree C. Aliquots are stable at -20 degree C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can be made in PBS. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.



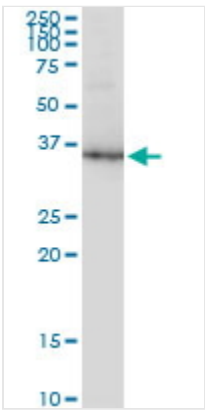
WB (Western Blot)
Western Blot analysis of GAPDH expression in transfected 293T cell line by GAPDH monoclonal antibody (M01), clone 3C2. Lane 1: GAPDH transfected lysate (36.1 KDa). Lane 2: Non-transfected lysate.



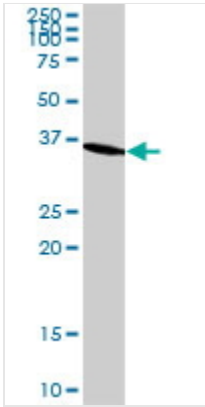
WB (Western Blot)
GAPDH monoclonal antibody (M01), clone 3C2. Western Blot analysis of GAPDH expression in Raw 264.7.



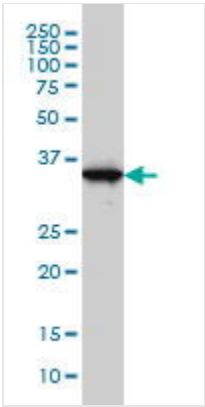
WB (Western Blot)
GAPDH monoclonal antibody (M01), clone 3C2. Western Blot analysis of GAPDH expression in PC-12.



WB (Western Blot)
GAPDH monoclonal antibody (M01), clone 3C2. Western Blot analysis of GAPDH expression in NIH/3T3.



WB (Western Blot)
GAPDH monoclonal antibody (M01), clone 3C2. Western Blot analysis of GAPDH expression in HeLa (Cat # L013V1).



WB (Western Blot)
GAPDH monoclonal antibody (M01), clone 3C2. Western Blot analysis of GAPDH expression in A-431 (Cat # L015V1).

ADDITIONAL INFORMATION

Related Product Information for anti-GAPDH antibody	The product of this gene catalyzes an important energy-yielding step in carbohydrate metabolism, the reversible oxidative phosphorylation of glyceraldehyde-3-phosphate in the presence of inorganic phosphate and nicotinamide adenine dinucleotide (NAD). The enzyme exists as a tetramer of identical chains. Many pseudogenes similar to this locus are present in the human genome. [provided by RefSeq]
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Product Categories/Family for anti-GAPDH antibody	Antibodies ; Enzymes ; Dehydrogenase
References	1. Reticulon 3 interacts with NS4B of the hepatitis C virus and negatively regulates viral replication by disrupting NS4B self-interaction. Wu MJ, Ke PY, Hsu JT, Yeh CT, Horng JT. <i>Cell Microbiol.</i> 2014 Jun 4. doi: 10.1111/cmi.12318. 2. Receptor for Activated Protein Kinase C: Requirement for Efficient MicroRNA Function and Reduced Expression in Hepatocellular Carcinoma. Otsuka M, Takata A, Yoshikawa T, Kojima K, Kishikawa T, Shibata C, Takekawa M, Yoshida H, Omata M, Koike K. <i>PLoS One.</i> 2011;6(9):e24359. Epub 2011 Sep 15. 3. Expression and roles of Slit/Robo in human ovarian cancer. Dai CF, Jiang YZ, Li Y, Wang K, Liu PS, Patankar MS, Zheng J. <i>Histochem Cell Biol.</i> 2011 Apr 5. 4. Anti-angiogenic effect of triterpenoidal saponins from Polygala senega. Arai M, Hayashi A, Sobou M, Ishida S, Kawachi T, Kotoku N, Kobayashi M. <i>J Nat Med.</i> 2010 Nov 2. 5. The Effect of Allelic Variation in Aldo-Keto Reductase 1C2 on the In Vitro Metabolism of Dihydrotestosterone. Takahashi RH, Grigliatti TA, Reid RE, Riggs KW. <i>J Pharmacol Exp Ther.</i> 2009 Jun;329(3):1032-9. Epub 2009 Mar 3.

NCBI AND UNIPROT INFORMATION

NCBI GI #	7669492
NCBI GeneID	2597
NCBI Accession #	NP_002037
NCBI GenBank Nucleotide #	NM_002046.5
UniProt Accession #	P04406 ; P00354 ; Q53X65 ; E7EUT4
Molecular Weight	Predicted: 37 kDa Observed: 36 kDa
NCBI Official Full Name	glyceraldehyde-3-phosphate dehydrogenase isoform 1
NCBI Official Synonym Full Names	glyceraldehyde-3-phosphate dehydrogenase
NCBI Official Symbol	GAPDH
NCBI Official Synonym Symbols	G3PD; GAPD; HEL-S-162eP
NCBI Protein Information	glyceraldehyde-3-phosphate dehydrogenase; aging-associated gene 9 protein; peptidyl-cysteine S-nitrosylase GAPDH; epididymis secretory sperm binding protein Li 162eP
UniProt Protein Name	Glyceraldehyde-3-phosphate dehydrogenase
UniProt Gene Name	GAPDH
UniProt Synonym Gene Names	GAPD; GAPDH
UniProt Entry Name	G3P_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/gapdh-antibody-clone-3c2-western-blot-elisa/26252>