

Mouse anti-Human GAPDH Monoclonal Antibody | anti-GAPDH antibody

GAPDH (3B3) Mouse mAb

CATALOG # AAA62301	HOST Mouse	REACTIVITY Human	APPLICATIONS Immunofluorescence, Western Blot
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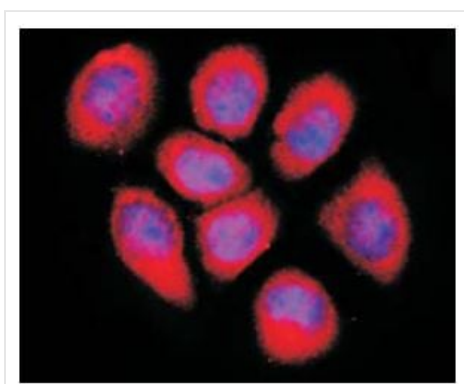
PRODUCT SYNONYMS

GAPDH; Monoclonal Antibody; GAPDH (3B3) Mouse mAb; anti-GAPDH antibody

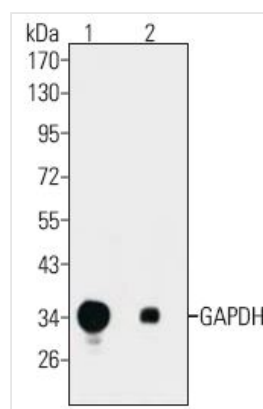
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1
Specificity	GAPDH (3B3) Mouse mAb
Sequence Length	333
Applicable Applications for anti-GAPDH antibody	IF (Immunofluorescence), WB (Western Blot)
Source Note	This monoclonal antibody is produced by immunizing animals with a synthetic peptide (KLH-coupled) corresponding to the carboxy terminus of human GAPDH.
Preparation and Storage	Store at -20 degree C. Stable for one year from the date of shipment.

IMAGES


IF (Immunofluorescence)

IF analysis of HeLa cells, using Abmart GAPDH (3B3) Mouse mAb at a 1:500 dilution.


WB (Western Blot)

ADDITIONAL INFORMATION

Related Product Information for anti-GAPDH antibody

Glyceraldehyde-3-phosphate dehydrogenase (GAPDH) catalyzes the phosphorylation of glyceraldehyde-3-phosphate during glycolysis. Though differentially expressed from tissue to tissue, 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. Recent work has elucidated roles for GAPDH in apoptosis, gene expression and nuclear transport. GAPDH may also play a role in neurodegenerative pathologies such as Huntington and Alzheimer's diseases.

Product Categories/Family for anti-GAPDH antibody	Internal Controls
References	1. Barber, R.D. et al. 2005. GAPDH as a housekeeping gene: analysis of GAPDH mRNA expression in a panel of 72 human tissues. <i>Physiol. Genomics</i> 21, 389-95.2.2. Hara, M.R. and Snyder, S.H. 2006. Nitric oxide-GAPDH-Siah: a novel cell death cascade. <i>Cell Mol. Neurobiol.</i> 26, 527-38.3. Zheng, L. et al. 2003. S phase activation of the histone H2B promoter by OCA-S, a coactivator complex that contains GAPDH as a key component. <i>Cell</i> 114, 255-66.4. Bae, B.I. et al. 2006. Mutant huntingtin: nuclear translocation and cytotoxicity mediated by GAPDH. <i>Proc. Natl. Acad. Sci. USA</i> 103f 3405-9.5. Wang, Q. et al. 2005. Proteomic analysis of neurofibrillary tangles in Alzheimer disease identifies GAPDH as a detergent-insoluble paired helical filament tau binding protein. <i>FASEB J.</i> 19, 869-71.

NCBI AND UNIPROT INFORMATION

NCBI GI #	122065190
NCBI GeneID	108351137
UniProt Accession #	P04797; P09328; Q5M916; Q9QWU4
Molecular Weight	35,828 Da
NCBI Official Full Name	Glyceraldehyde-3-phosphate dehydrogenase
NCBI Official Synonym Full Names	glyceraldehyde-3-phosphate dehydrogenase
NCBI Official Symbol	LOC108351137
NCBI Protein Information	glyceraldehyde-3-phosphate dehydrogenase
UniProt Protein Name	Glyceraldehyde-3-phosphate dehydrogenase
UniProt Gene Name	Gapdh
UniProt Synonym Gene Names	Gapd; GAPDH

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-immunofluorescence-western-blot-elisa/62301>