

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

GAPDH antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA48075	Mouse	Human	Immunofluorescence, Western Blot, ELISA

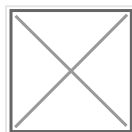
PRODUCT SYNONYMS

GAPDH; Monoclonal Antibody; GAPDH antibody; Glyceraldehyde-3-phosphate dehydrogenase; G3PD; GAPD; MGC88685; Glyceraldehyde-3-phosphate dehydrogenase 38 kDa BFA-dependent ADP-ribosylation substrate; Aging-associated gene 9 protein; BARS-38; cb609; EC 1.2.1.12; G3PDH; OCAS; p38 component; Glyceraldehyde 3 phosphate dehydrogenase; KNC-NDS6; MGC102544; MGC102546; MGC103190; MGC103191; MGC105239; MGC127711; OCT1 coactivator in S phase; 38-KD component; OTTHuMP00000174431; OTTHuMP00000174432; wu:fb33a10.; anti-GAPDH antibody

PRODUCT SPECIFICATIONS

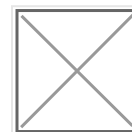
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2b, k
Clone Number	AT8G4
Purity/Purification	By protein-G affinity chromatography
Form/Format	Liquid. In phosphate-buffered saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	335
Applicable Applications for anti-GAPDH antibody	IF (Immunofluorescence), WB (Western Blot), ELISA
Antigen Species	Human
Immunogen	Recombinant human GAPDH (1-335aa) purified from E Coli
Clone Note	Anti-human GAPDH mAb, clone AT8G4, is derived from hybridization of mouse F0 myeloma cells with spleen cells from BALB/c mice immunized with a recombinant human GAPDH protein.
Preparation and Storage	Can be stored at 4 degree C. For long term storage, aliquot and store at -20 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



IF (Immunofluorescence)

Immunofluorescence of human HeLa cells stained with Hoechst 3342 (Blue) for nucleus staining and monoclonal anti-human GAPDH antibody (1:500) with Texas Red (Red).



WB (Western Blot)

Cell lysates of HeLa (35ug) were resolved by SDS-PAGE, transferred to NC membrane and probed with anti-human GAPDH. Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.

ADDITIONAL INFORMATION

Related Product Information for anti-GAPDH antibody	Multiple roles for glyceraldehyde-3-phosphate dehydrogenase (GAPDH) have been recently appreciated. GAPDH is found in the particulate fractions, such as the nucleus, the mitochondria, and the small vesicular fractions. GAPDH gene expression is specifically increased during programmed neuronal cell death. When cells are exposed to various stressors, dynamic subcellular re-distribution of GAPDH occurs. GAPDH is also involved in various diseases, especially neurodegenerative disorders and cancers. As a membrane protein, GAPDH functions in endocytosis; in the cytoplasm, it is involved in the translational control of gene expression; in the nucleus, it functions in nuclear tRNA export, in DNA replication, and in DNA repair.
Product Categories/Family for anti-GAPDH antibody	Cancer
References	Chuang DM, et al. (2005) Annu Rev Pharmacol Toxicol, 45:269-90.; Mazzola JL, et al. (2002) Neurotoxicology, 23 (4-5):603-9.; Sirover MA. (1997) J Cell Biochem, 66 (2):133-40.

NCBI AND UNIPROT INFORMATION

NCBI GI #	7669492
NCBI GeneID	2597
NCBI Accession #	NP_002037
NCBI GenBank Nucleotide #	NM_002046.6
UniProt Accession #	P04406; P00354; Q53X65; E7EUT4
Molecular Weight	31,548 Da
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
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-clone-at8g4-immunofluorescence-western-blot-elisa/48075>