

Mouse GAPDH Monoclonal Antibody | anti-GAPDH antibody

GAPDH Mouse mAb (High Dilution)

CATALOG # AAA28398	HOST Mouse	REACTIVITY Human, Mouse, Rat	APPLICATIONS Western Blot, Immunohistochemistry, Immunofluorescence
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PRODUCT SYNONYMS

GAPDH; Monoclonal Antibody; GAPDH Mouse mAb (High Dilution); G3PD; GAPD; HEL-S-162eP; anti-GAPDH antibody

PRODUCT SPECIFICATIONS

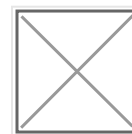
Host	Mouse
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Applicable Applications for anti-GAPDH antibody	WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence)
Application Notes	Put 5ul AC033 into 45 ul buffer(with 50% glycerol), diluted 1:10, 000 for using. The diluted antibody can be stored at -20 degree C without aliquot. Customer Validation: WB: Human, Mouse, Rat, Other, Schisandra chinensis DB: Human IP: Mouse IF: Human, Mouse Co-IP: Human
Immunogen	Recombinant protein of human GAPDH
Cellular Location	Cytoplasm, Membrane, Nucleus, cytoskeleton, cytosol, perinuclear region
Positive Samples	HeLa, HepG2, 293T, Mouse liver, Mouse kidney, Mouse spleen, Rat liver, Rat kidney
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



IF (Immunofluorescence)

Immunofluorescence analysis of U-2 OS cells using GAPDH Mouse mAb at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



IF (Immunofluorescence)

Immunofluorescence analysis of NIH-3T3 cells using GAPDH Mouse mAb at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.

**IF (Immunofluorescence)**

Immunofluorescence analysis of C6 cells using GAPDH Mouse mAb at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.

**IHC (Immunohistochemistry)**

Immunohistochemistry of paraffin-embedded Human esophageal using GAPDH Mouse mAb at dilution of 1:100 (40x lens).

**WB (Western Blot)**

Western blot analysis of extracts of HeLa cells, using GAPDH antibody at 1:10000-1:2560000 dilution.Secondary antibody: HRP Goat Anti-Mouse IgG (H+L) (AS003) at 1:10000 dilution.Lysates/proteins: 25ug per lane.Blocking buffer: 3% nonfat dry milk in TBST.Detection: ECL Basic Kit (RM00020).Exposure time: 1s.

**WB (Western Blot)**

Western blot analysis of extracts of various cell lines, using GAPDH Monoclonal Antibody at 1:20000 dilution.Secondary antibody: HRP Goat Anti-Mouse IgG (H+L) (AS003) at 1:10000 dilution.Lysates/proteins: 25ug per lane.Blocking buffer: 3% nonfat dry milk in TBST.Detection: ECL Basic Kit (RM00020).Exposure time: 1s.

ADDITIONAL INFORMATION

Related Product Information for anti-GAPDH antibody	Background: This gene encodes a member of the glyceraldehyde-3-phosphate dehydrogenase protein family. The encoded protein has been identified as a moonlighting protein based on its ability to perform mechanistically distinct functions. 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 encoded protein has additionally been identified to have uracil DNA glycosylase activity in the nucleus. Also, this protein contains a peptide that has antimicrobial activity against E Coli, P. aeruginosa, and C. albicans. Studies of a similar protein in mouse have assigned a variety of additional functions including nitrosylation of nuclear proteins, the regulation of mRNA stability, and acting as a transferrin receptor on the cell surface of macrophage. Many pseudogenes similar to this locus are present in the human genome. Alternative splicing results in multiple transcript variants. Note:Dilution methodPut 5ul AC033 into 45 ul buffer(with 50% glycerol), diluted 1:10, 000 for using. The diluted antibody can be stored at -20 degree C without aliquot.
Product Categories/Family for anti-GAPDH antibody	Endocrine & Metabolism ; Carbohydrate metabolism ; Research ; Neuroscience ; Neurodegenerative Diseases ; Amyloid Plaque and Neurofibrillary Tangle Formation in Alzheimer's Disease ; Other Antibody Type

NCBI AND UNIPROT INFORMATION

NCBI GI #	378404908
NCBI GeneID	2597
NCBI Accession #	NP_001243728.1
NCBI GenBank Nucleotide #	NM_001256799.1
UniProt Accession #	P04406 ; P00354 ; Q53X65
Molecular Weight	36,053 Da
NCBI Official Full Name	glyceraldehyde-3-phosphate dehydrogenase isoform 2
NCBI Official Synonym Full Names	glyceraldehyde-3-phosphate dehydrogenase
NCBI Official Symbol	GAPDH
NCBI Official Synonym Symbols	G3PD; GAPD
NCBI Protein Information	glyceraldehyde-3-phosphate dehydrogenase; aging-associated gene 9 protein; peptidyl-cysteine S-nitrosylase GAPDH
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-western-blot-immunohistochemistry-immunofluorescence-elisa/28398>