

Mouse GAPDH Monoclonal Antibody | anti-GAPDH antibody

GAPDH Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA28634	Mouse	Human, mouse, rat	Western Blot, ELISA, Immunofluorescence, Immunohistochemistry

PRODUCT SYNONYMS

GAPDH; Monoclonal Antibody; GAPDH Antibody; Glyceraldehyde-3-phosphate dehydrogenase; Peptidyl-cysteine S-nitrosylase GAPDH; 2699-; GAPD; anti-GAPDH antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human, mouse, rat
Clonality	Monoclonal
Clone Number	1A10A10
Specificity	GAPDH recombinant protein is used to produce this monoclonal antibody.
Purity/Purification	Purified Mouse Monoclonal Antibody (Mab)
Form/Format	Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein G column, followed by dialysis against PBS.
Concentration	Vial Concentration: 0.44 (varies by lot)
Sequence Length	293
Applicable Applications for anti-GAPDH antibody	WB (Western Blot), ELISA, IF (Immunofluorescence), IHC (Immunohistochemistry)
Application Notes	WB~~1:2000~10000 IF~~1:25 IHC~~1:25
Crown Antibody	Yes
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



WB (Western Blot)

Western blot analysis of anti-GAPDH Monoclonal Antibody in CEM cell line lysates (35ug/lane). GAPDH(arrow) was detected using the purified Mab.



IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded H.stomach section using GAPDH Antibody. AAA28634 was diluted at 1:25 dilution. A peroxidase-conjugated goat anti-rabbit IgG at 1:400 dilution was used as the secondary antibody, followed by DAB staining.



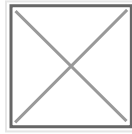
IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded H.kidney section using GAPDH Antibody. AAA28634 was diluted at 1:25 dilution. A peroxidase-conjugated goat anti-rabbit IgG at 1:400 dilution was used as the secondary antibody, followed by DAB staining.



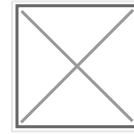
IF (Immunofluorescence)

Fluorescent image of Hela cells stained with XAF1 GAPDH Antibody. AAA28634 was diluted at 1:25 dilution. An Alexa Fluor 488-conjugated goat anti-mouse IgG at 1:400 dilution was used as the secondary antibody (green). Cytoplasmic actin was counterstained with Alexa Fluor 555 conjugated with Phalloidin (red).



WB (Western Blot)

All lanes : Anti-GAPDH Antibody at 1:8000 dilutionLane 1: Hela whole cell lysatesLane 2: A549 whole cell lysatesLane 3: COS-7 whole cell lysatesLane 4: mouse brain lysatesLane 5: C6 whole cell lysatesLane 6: NIH/3T3 whole cell lysates Lysates/proteins at 20 ug per lane.SecondaryGoat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilutionPredicted band size : 36 kDaBlocking/Dilution buffer: 5% NFD/TBST.



WB (Western Blot)

All lanes : Anti-GAPDH Antibody at 1:1000 dilutionLane 1: A431 whole cell lysatesLane 2: C6 whole cell lysatesLane 3: Hela whole cell lysatesLane 4: HUVEC whole cell lysatesLysates/proteins at 20 ug per lane.SecondaryGoat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilutionPredicted band size : 36 kDaBlocking/Dilution buffer: 5% NFD/TBST.

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.
Product Categories/Family for anti-GAPDH antibody	Signal Transduction ; Neuroscience ; Microbiology ; Metabolism ; Cardiovascular ; Cancer ; Phospho Antibodies
References	Inhibition of glyceraldehyde-3-phosphate dehydrogenase activity by antibodies present in the cerebrospinal fluid of patients with multiple sclerosis. Kölln J, et al. J Immunol, 2010 Aug 1. PMID 20610654. Proteome analysis of the thalamus and cerebrospinal fluid reveals glycolysis dysfunction and potential biomarkers candidates for schizophrenia. Martins-de-Souza D, et al. J Psychiatr Res, 2010 May 14. PMID 20471030. Sex-specific proteome differences in the anterior cingulate cortex of schizophrenia. Martins-de-Souza D, et al. J Psychiatr Res, 2010 Apr 8. PMID 20381070. Identification of melanoma antigens using a Serological Proteome Approach (SERPA). Suzuki A, et al. Cancer Genomics Proteomics, 2010 Jan-Feb. PMID 20181627. siah-1 Protein is necessary for high glucose-induced glyceraldehyde-3-phosphate dehydrogenase nuclear accumulation and cell death in Muller cells. Yego EC, et al. J Biol Chem, 2010 Jan 29. PMID 19940145.

NCBI AND UNIPROT INFORMATION

NCBI GI #	378404908
NCBI GeneID	2597
NCBI Accession #	NP_001243728.1; NP_002037.2
NCBI GenBank Nucleotide #	NM_001256799.2
UniProt Accession #	P04406; P00354; Q53X65; E7EUT4
Molecular Weight	36053
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; 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
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-1a10a10-western-blot-immunofluorescence-immunohistochemistry-elisa/28634>