

Mouse GAPDH Monoclonal Antibody | anti-GAPDH antibody

GAPDH antibody

CATALOG # AAA74792	HOST Mouse	APPLICATIONS Western Blot, Immunohistochemistry, Immunofluorescence, ELISA
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PRODUCT SYNONYMS

GAPDH; Monoclonal Antibody; GAPDH antibody; Monoclonal GAPDH; Anti-GAPDH; Glyceraldehyde-3-phosphate dehydrogenase; anti-GAPDH antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Clone Number	1A10
Form/Format	Supplied as a liquid in ascitic fluid containing 0.03% sodium azide.
Concentration	1.0 mg/ml (varies by lot)
Sequence Length	333
Applicable Applications for anti-GAPDH antibody	WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence), ELISA
Biological Significance	Glyceraldehyde 3-phosphate dehydrogenase (GAPDH) is an enzyme that catalyzes the sixth step of glycolysis and thus serves to break down glucose for energy and carbon molecules. In addition to this long established metabolic function, GAPDH has recently been implicated in several non-metabolic processes, including transcription activation, initiation of apoptosis, and ER to Golgi vesicle shuttling.
Cross-Reactivity	Human
Immunogen	GAPDH antibody was raised in Mouse using a purified recombinant fragment of human GAPDH expressed in E Coli as the immunogen.
Preparation and Storage	Store at 4 degree C for short term storage. Store at -20 degree C for long term storage. Avoid repeated freeze/thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded human breast carcinoma (left) and kidney carcinoma (right), showing cytoplasmic localization using GAPDH antibody with DAB staining.



WB (Western Blot)

Western Blot showing GAPDH antibody used against Hela (1), A549 (2), A431 (3), MCF-7 (4), K562 (5), Jurkat (6), HL60 (7), SKN-SH (8) and SKBR-3 (9) cell lysate.

ADDITIONAL INFORMATION

Related Product Information for anti-GAPDH antibody	Mouse monoclonal GAPDH antibody
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Product Categories/Family for anti-GAPDH antibody	Proteases ; Inhibitors ; & Enzymes
References	Caveolin-1 overexpression enhances androgen-dependent growth and proliferation in the mouse prostate; Kelly G. Bryanta, Jeanette Camachoc, Jean-François Jasmina, Chenguang Wanga, Sankar Addyad, Mathew C. Casimirod, Paolo Fortinad, Sucharitha Balasubramaniamd, Karen E. Knudsend, Roland Schwartingc, Michael P. Lisantia, Isabelle Mercier (The International Journal of Biochemistry & Cell Biology: Volume: 43 Issue: 9 Page: 1318-1329 DOI: 10.1016/j.biocel.2011.04.019) Nuclear localization drives alpha1-adrenergic receptor oligomerization and signaling in cardiac myocytes; Casey D. Wright, Steven C. Wu, Erika F. Dahl, Alan J. Sazama, Timothy D. O'Connell (Cellular Signalling: Volume: 24 Issue: 3 Page: 794-802 DOI: 10.1016/j.celsig.2011.11.014) Silica Crystals and Aluminum Salts Regulate the Production of Prostaglandin in Macrophages via NALP3 Inflammasome-Independent Mechanisms; Etsushi Kuroda, Ken J. Ishii, Satoshi Uematsu, Keiichi Ohata, Cevayir Coban, Shizuo Akira, Kosuke Aritake, Yoshihiro Urade, Yasuo Morimoto (Immunity: Volume: 34 Issue: 4 Page: 514-526 DOI: 10.1016/j.immuni.2011.03.019) Trypanosoma cruzi induces changes in cardiac connexin 43 expression; Daniel Adessea, Luciana R. Garzonía, Huan Huangc, Herbert B. Tanowitzc, Maria de Nazareth Meirellesa, David C. Spray (Microbes and Infection: Volume: 10 Issue: 1 Page: 21-28 DOI: 10.1016/j.micinf.2007.09.017) Diabetes-relevant regulation of cultured blood outgrowth endothelial cells; Shinong Wang, Raimund Hirschberg (Microvascular Research: Volume: 78 Issue: 2 Page: 174-179 DOI: 10.1016/j.mvr.2009.06.002)

NCBI AND UNIPROT INFORMATION

NCBI GI #	122065190
NCBI GeneID	24383
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	Gapdh
NCBI Official Synonym Symbols	Gapd; BARS-38
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_RAT

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-1a10-western-blot-immunohistochemistry-immunofluorescence-elisa/74792>