

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

GAPDH Loading Control Antibody, Rabbit Mab

CATALOG # AAA254155	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry
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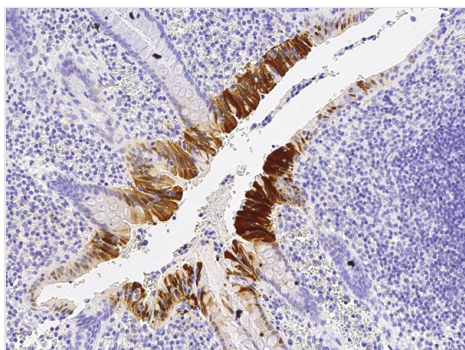
PRODUCT SYNONYMS

GAPDH; Monoclonal Antibody; GAPDH Loading Control Antibody; Rabbit Mab; glyceraldehyde-3-phosphate dehydrogenase; Anti-G3PD Antibody; Anti-GAPD Antibody; Anti-HEL-S-162eP Antibody; anti-GAPDH antibody

PRODUCT SPECIFICATIONS

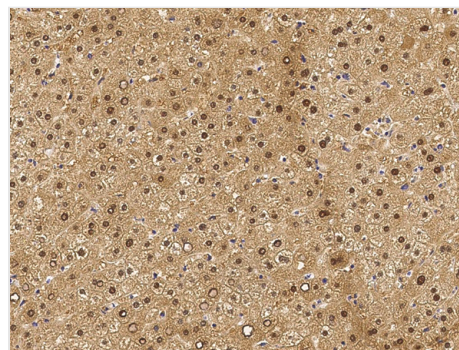
Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Number	005
Specificity	Human GAPDH
Purity/Purification	Protein A
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-GAPDH antibody	IHC (Immunohistochemistry)
Immunogen	A synthetic peptide corresponding to the center region of the human GAPDH
Conjugation	Unconjugated
Preparation	This antibody was obtained from a rabbit immunized with A synthetic peptide corresponding to the center region of the human GAPDH.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Immunochemical staining of human GAPDH in human appendicitis with rabbit monoclonal antibody (1:200, formalin-fixed paraffin embedded sections).



IHC (Immunohistochemistry)

Immunochemical staining of human GAPDH in human hepatitis with rabbit monoclonal antibody (1:200, formalin-fixed paraffin embedded sections).

ADDITIONAL INFORMATION

Related Product Information for anti-GAPDH antibody	Glyceraldehyde 3-phosphate dehydrogenase (GAPDH or G3PDH) is an enzyme of about 37kDa that is considered as a cellular enzyme involved in glycolysis. It catalyzes the sixth step of glycolysis. Glyceraldehyde-3-phosphate dehydrogenase (GAPDH) is a pleiotropic enzyme that is overexpressed in apoptosis and in several human chronic pathologies. Its role as a mediator for cell death has also been highlighted. A recent report suggests that GAPDH may be genetically associated with late-onset of Alzheimer's disease. Besides, deprenyl, which has originally been used as a monoamine oxidase inhibitor for Parkinson's disease, binds to GAPDH and displays neuroprotective actions.
Product Categories/Family for anti-GAPDH antibody	Adaptor Proteins
References	Hara MR, et al. (2006) Neuroprotection by pharmacologic blockade of the GAPDH death cascade. PNA. 103 (10): 3887-9. Hara MR, et al. (2006) GAPDH as a sensor of NO stress. Biochimica et Biophysica Acta (BBA)-Molecular Basis of Disease. 1762 (5): 502-9. Tarze A, et al. (2007) GAPDH, a novel regulator of the pro-apoptotic mitochondrial membrane permeabilization GAPDH and apoptosis. Oncogene. 26: 2606-20. Yi MK, et al. (2000) Functional Significance of the Interaction of Hepatitis A Virus RNA with Glyceraldehyde 3-Phosphate Dehydrogenase (GAPDH): Opposing Effects of GAPDH and Polypyrimidine Tract Binding Protein on Internal Ribosome Entry Site Function. Journal of Virology. 74 (14) : 6459-68.

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
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://www.aaabiotech.com/monoclonal/gapdh-antibody-clone-005-immunohistochemistry-elisa/254155>