

Rabbit anti-Human, Mouse GAPDH Polyclonal Antibody | anti-GAPDH antibody

GAPDH Antibody

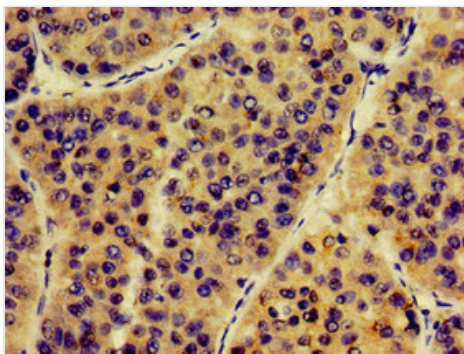
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA232372	Rabbit	Human, Mouse	Immunofluorescence, Immunohistochemistry, Western Blot, ELISA

PRODUCT SYNONYMS

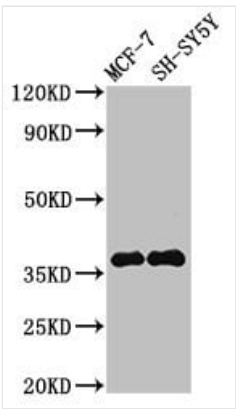
GAPDH; Polyclonal Antibody; GAPDH Antibody; Glyceraldehyde-3-phosphate dehydrogenase; Peptidyl-cysteine S-nitrosylase GAPDH (EC: 2.6.99.-); GAPD; CDABP0047; OK/SW-cl.12; anti-GAPDH antibody

PRODUCT SPECIFICATIONS

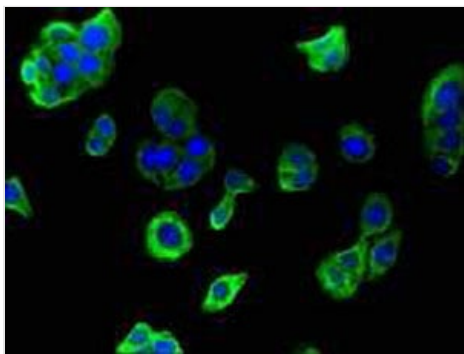
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	>95%, Protein G purified
Form/Format	Liquid
Applicable Applications for anti-GAPDH antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot), ELISA
Immunogen	Recombinant Human Glyceraldehyde-3-phosphate dehydrogenase protein (2-335AA)
Species	Human
Research Area	Neuroscience
Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Conjugation	Non-conjugated
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-20356 / sc-20357 / sc-20358 / sc-25778 / sc-31915 / sc-48166 / sc-48167 / sc-59540
Preparation and Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



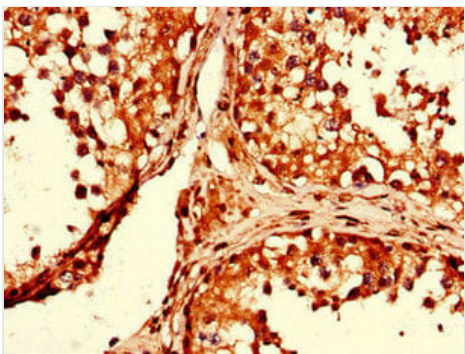
IHC (Immunohistochemistry)
Immunohistochemistry of paraffin-embedded human liver cancer using AAA232372 at dilution of 1:100



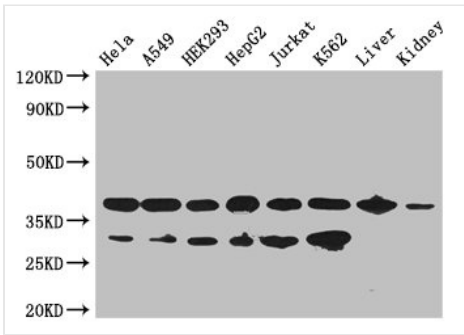
WB (Western Blot)
Western BlotPositive WB detected in: MCF-7 whole cell lysate,SH-SY5Y whole cell lysateAll lanes: GAPDH antibody at 2.5ug/mlSecondaryGoat polyclonal to rabbit IgG at 1/50000 dilutionPredicted band size: 37,32 KDaObserved band size: 37 KDa



IHC (Immunohistochemistry)
Immunofluorescent analysis of HepG2 cells using AAA232372 at a dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)



IHC (Immunohistochemistry)
Immunohistochemistry of paraffin-embedded human testis tissue using AAA232372 at dilution of 1:100



WB (Western Blot)
Western BlotPositive WB detected in:HeLa whole cell lysate,A549 whole cell lysate,HEK293 whole cell lysate,HepG2 whole cell lysate,Jurkat whole cell lysate,K562 whole cell lysate,Mouse liver tissue,Mouse kidney tissueAll lanes: GAPDH antibody at 2.5ug/mlSecondaryGoat polyclonal to rabbit IgG at 1/50000 dilutionPredicted band size: 37,32 kDaObserved band size: 37,32 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-GAPDH antibody	Has both glyceraldehyde-3-phosphate dehydrogenase and nitrosylase activities, thereby playing a role in glycolysis and nuclear functions, respectively. Participates in nuclear events including transcription, RNA transport, DNA replication and apoptosis. Nuclear functions are probably due to the nitrosylase activity that mediates cysteine S-nitrosylation of nuclear target proteins such as SIRT1, HDAC2 and PRKDC. Modulates the organization and assembly of the cytoskeleton. Facilitates the CHP1-dependent microtubule and membrane associations through its ability to stimulate the binding of CHP1 to microtubules (By similarity). Glyceraldehyde-3-phosphate dehydrogenase is a key enzyme in glycolysis that catalyzes the first step of the pathway by converting D-glyceraldehyde 3-phosphate (G3P) into 3-phospho-D-glyceroyl phosphate. Component of the GAIT (gamma interferon-activated inhibitor of translation) complex which mediates interferon-gamma-induced transcript-selective translation inhibition in inflammation processes. Upon interferon-gamma treatment assembles into the GAIT complex which binds to stem loop-containing GAIT elements in the 3'-UTR of diverse inflammatory mRNAs (such as ceruplasmin) and suppresses their translation.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	378404908
NCBI GeneID	2597
NCBI Accession #	NP_001243728.1
NCBI GenBank Nucleotide #	NM_001256799.2
UniProt Accession #	P04406; P00354; Q53X65; E7EUT4
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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/gapdh-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/232372>