

Chicken GAPDH Polyclonal Antibody | anti-GAPDH antibody

GAPDH Antibody

CATALOG # AAA39469	HOST Chicken	REACTIVITY Human, Mouse, Rat	APPLICATIONS Western Blot, ELISA
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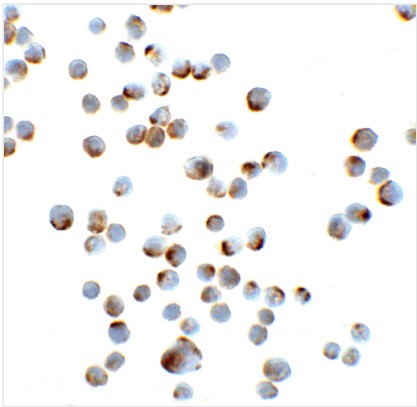
PRODUCT SYNONYMS

GAPDH; Polyclonal Antibody; GAPDH Antibody; G3PD; GAPD; HEL-S-162eP; CDABP0047; OK/SW-cl.12; Glyceraldehyde-3-phosphate dehydrogenase; Peptidyl-cysteine S-nitrosylase GAPDH; glyceraldehyde-3-phosphate dehydrogenase; anti-GAPDH antibody

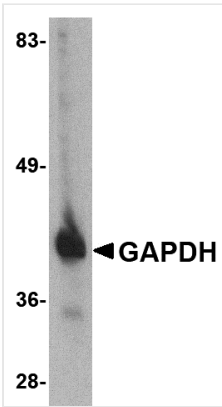
PRODUCT SPECIFICATIONS

Host	Chicken
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgY
Purity/Purification	GAPDH Antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	335
Applicable Applications for anti-GAPDH antibody	WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	GAPDH antibody was raised against a 16 amino acid synthetic peptide from near the carboxy terminus of human GAPDH.
Buffer	GAPDH Antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	GAPDH antibody can be stored at 4 degree C for three months and -20 degree C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

IMAGES



ICC (Immunocytochemistry)
Immunocytochemistry of GAPDH in HeLa cells with GAPDH antibody at 5 μg/mL.



WB (Western Blot)
Western blot analysis of GAPDH in HeLa cell lysate with GAPDH antibody at 1 μg/mL.

ADDITIONAL INFORMATION

Related Product Information for anti-GAPDH antibody	GAPDH Antibody: Glyceraldehyde-3-phosphate dehydrogenase (GAPDH) catalyzes the reversible oxidative phosphorylation of glyceraldehyde-3-phosphate in the presence of inorganic phosphate and nicotinamide adenine dinucleotide (NAD), an important energy-yielding step in carbohydrate metabolism. Recent evidence suggests that it also is involved in a number of cellular processes such as membrane fusion, phosphotransferase activity, DNA replication and repair, and nuclear RNA export. GAPDH has also been implicated in playing a role in different pathologies such as cancer progression, apoptosis, and neuronal diseases such as Alzheimer's and Huntington's disease. GAPDH is constitutively expressed at high levels in almost all tissues and cell lines making it ideal for use as a loading control marker in immunoblots.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	120649
NCBI GeneID	2597
UniProt Accession #	P04406; P00354; Q53X65; E7EUT4
Molecular Weight	31,548 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	G3PD; GAPD; HEL-S-162eP
NCBI Protein Information	glyceraldehyde-3-phosphate dehydrogenase; aging-associated gene 9 protein; peptidyl-cysteine S-nitrosylase GAPDH; epididymis secretory sperm binding protein Li 162eP
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.