

Goat GAPDH Polyclonal Antibody | anti-GAPDH antibody

Goat Polyclonal to Human GAPDH

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA52472	Goat	Gibbon, Gorilla, Human, Monkey Predicted Reactivity: Orangutan (at least 90% immunogen sequence identity)	ELISA, Western Blot, Immunohistochemistry

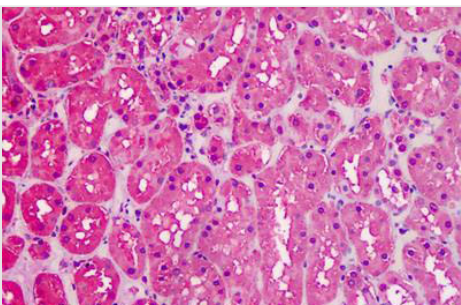
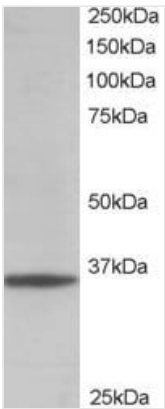
PRODUCT SYNONYMS

GAPDH; Polyclonal Antibody; Goat Polyclonal to Human GAPDH; Anti-GAPDH Antibody (C-Terminus) IHC-plus; A1 40 kd subunit; Activator 1 40 kd subunit; G3PD; GAPD; G3pdh; Rfc40; Rf-c 40 kd subunit; Human GAPDH; anti-GAPDH antibody

PRODUCT SPECIFICATIONS

Host	Goat
Reactivity	Gibbon, Gorilla, Human, Monkey Predicted Reactivity: Orangutan (at least 90% immunogen sequence identity)
Clonality	Polyclonal
Specificity	Human GAPDH. GAPDH is constitutively expressed in almost all tissues at high levels. It is therefore a useful marker when a loading/positive control is required in western blotting.
Purity/Purification	Immunoaffinity Purified
Form/Format	Tris-buffered saline, pH 7.3, 0.5% BSA, 0.02% sodium azide
Concentration	0.5 mg/ml (varies by lot)
Sequence Length	335
Applicable Applications for anti-GAPDH antibody	ELISA, WB (Western Blot), IHC (Immunohistochemistry)
Target Species	Human
Immunogen Description	Synthetic peptide C-HQVVSSDFNSDT from the C-terminus of human GAPDH (NP_002037.2). Percent identity by BLAST analysis: Human, Gorilla, Gibbon, Monkey, Marmoset (100%); Orangutan, Galago (92%).
Immunogen Type	Synthetic peptide
Immunogen	GAPDH antibody was raised against synthetic peptide C-HQVVSSDFNSDT from the C-terminus of human GAPDH (NP_002037.2). Percent identity by BLAST analysis: Human, Gorilla, Gibbon, Monkey, Marmoset (100%); Orangutan, Galago (92%); Ferret, Sheep, Hamster, Bat, Bovine, Dog, Cat, Horse, Pig, Opossum, Guinea pig, Platypus, Catfish, Salmon, Smelt (83%).
Antigen Modification	C-Terminus
Preparation and Storage	Store at -20 degree C. Minimize freezing and thawing.

IMAGES



IHC (Immunohistochemistry)
Anti-GAPDH antibody IHC staining of human kidney. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.

WB (Western Blot)
Staining (0.01 ug/ml) of 293 lysate (RIPA buffer, 35 ug total protein per lane). Primary incubated for 1 hour. Detected using chemiluminescence.

ADDITIONAL INFORMATION

Related Product Information for anti-GAPDH antibody	GAPDH 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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	7669492
NCBI GeneID	2597
NCBI Accession #	NP_002037.2
NCBI GenBank Nucleotide #	NM_002046.5
UniProt Accession #	P04406; P00354; Q53X65; E7EUT4
Molecular Weight	31,548 Da
NCBI Official Full Name	glyceraldehyde-3-phosphate dehydrogenase isoform 1
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.