

Sheep anti-Human GAPDH Polyclonal Antibody | anti-GAPDH antibody

GAPDH antibody

CATALOG # AAA74927	HOST Sheep	REACTIVITY Human	APPLICATIONS Western Blot, ELISA
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PRODUCT SYNONYMS

GAPDH; Polyclonal Antibody; GAPDH antibody; Polyclonal GAPDH; Anti-GAPDH; Glyceraldehyde 3-Phosphate Dehydrogenase; anti-GAPDH antibody

PRODUCT SPECIFICATIONS

Host	Sheep
Reactivity	Human
Clonality	Polyclonal
Form/Format	Purified IgG fraction supplied in PBS, pH 7.2 with 0.1% NaN ₃ .
Concentration	27.7mg/ml (varies by lot)
Sequence Length	335
Applicable Applications for anti-GAPDH antibody	WB (Western Blot), 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, rabbit, E Coli
Biohazard Information	This product contains sodium azide (NaN ₃), a chemical highly toxic in pure form. At product concentrations, though not classified as hazardous, NaN ₃ may react with lead and copper plumbing to form highly explosive build-ups of metal azides. Upon disposal, flush with large volumes of water to prevent metal azide build-up in plumbing.
Immunogen	GAPDH synthetic peptide
Immunogen Notes	GAPDH antibody was raised in sheep using a 12 amino acid synthetic peptide (HQVVSSDFNSDT) representing the most conserved region of human and rat GAPDH conjugated with KLH as the immunogen.
Reactivity Notes	Specific for human erythrocyte, rabbit (muscle) and bacterial (B. stearothermophilus and E.Coli) GAPDH. May cross react with mouse and rat enzymes.
Preparation and Storage	Store at 4 degree C short-term and store at -20 degree C for long-term. Avoid repeated Freeze/Thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for anti-GAPDH antibody	Sheep polyclonal GAPDH antibody
Product Categories/Family for anti-GAPDH antibody	Proteases ; Inhibitors ; & Enzymes

References	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) The reduction of voluntary physical activity after poly I:C injection is independent of the effect of poly I:C-induced interferon-beta in mice; Takashi Matsumotoa, Hiroshi Takahashia, Daisuke Shivab, Noriaki Kawanishia, Michael J. Kremenika, Yasuko Katoc, Hiromi Yano (Physiology & Behavior: Volume: 93 Issue: 4-5 Page: 835-841 DOI: 10.1016/j.physbeh.2007.11.048) Calcineurin protects the heart in a murine model of dilated cardiomyopathy; Joerg Heinekea, b, Kai C. Wollertb, Hanna Osinskaa, Michelle A. Sargenta, Allen J. Yorka, Jeffrey Robbinsa, Jeffery D. Molkentin (Journal of Molecular and Cellular Cardiology: Volume: 48 Issue: 6 Page: 1080-1087 DOI: 10.1016/j.jmcc.2009.10.012)
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NCBI AND UNIPROT INFORMATION

NCBI GI #	7669492
NCBI GeneID	2597
NCBI Accession #	NP_002037.2
NCBI GenBank Nucleotide #	NM_002046.4
UniProt Accession #	P04406; P00354; Q53X65; E7EUT4
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
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/polyclonal/gapdh-antibody-western-blot-elisa/74927>