

Goat GAPDH Polyclonal Antibody | anti-GAPDH antibody

Goat anti-GAPDH (C Terminus) Loading Control Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA60874	Goat	Tested: Human, Mouse, Rat, Pig; Expected from sequence similarity: Human, Mouse, Dog, Pig	Immunocytochemistry, Immunohistochemistry, Western Blot, ELISA

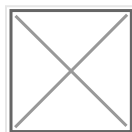
PRODUCT SYNONYMS

GAPDH; Polyclonal Antibody; Goat anti-GAPDH (C Terminus) Loading Control Antibody; Goat Anti-GAPDH (Internal); Biotinylated Antibody; glyceraldehyde-3-phosphate dehydrogenase; HGNC: 4141; G3PD; GAPD; MGC88685; OTTHUMP00000174431; OTTHUMP00000174432; aging-associated gene 9 protein; glyceraldehyde 3-phosphate dehydrogenase; GAPDH antibody; glyceraldehyde-3-phosphate dehydrogenase antibody; HGNC: 4141 antibody; G3PD antibody; GAPD antibody; MGC88685 antibody; OTTHUMP00000174431 antibody; OTTHUMP00000174432 antibody; aging-associated gene 9 protein antibody; glyceraldehyde 3-phosphate dehydrogenase antibody; GAPDH (C Terminus) Loading Control; anti-GAPDH antibody

PRODUCT SPECIFICATIONS

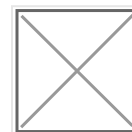
Host	Goat
Reactivity	Tested: Human, Mouse, Rat, Pig; Expected from sequence similarity: Human, Mouse, Dog, Pig
Clonality	Polyclonal
Purity/Purification	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Form/Format	Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.
Concentration	100ug specific antibody in 200ul (varies by lot)
Sequence	HQVSSDFNS DT
Sequence Length	335
Applicable Applications for anti-GAPDH antibody	ICC (Immunocytochemistry), IHC (Immunohistochemistry), WB (Western Blot), ELISA (Peptide ELISA)
Immunogen	Peptide with sequence C-HQVSSDFNSDT, from the C Terminus of the protein sequence according to NP_002037.2.
Epitope	C Terminus
Note	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.
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-20357
Preparation and Storage	Aliquot and store at -20 degree C. Minimize freezing and thawing.

IMAGES



WB (Western Blot)

0.03ug/ml staining of lysates of cell line HEK293 (35ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



WB (Western Blot)

0.1ug/ml staining of HeLa lysate (control in left lane and after si-RNA-mediated GAPDH knock-down expression in right lane) (35ug protein in RIPA buffer). Level of knock-down relative to Actin expression level was determined by RT-PCR. Primary incubation was 1 hour. Detected by chemiluminescence.

ADDITIONAL INFORMATION

References	Henson MA, Roberts AC, Salimi K, Vadlamudi S, Hamer RM, Gilmore JH, Jarskog LF, Philpot BD.; Developmental regulation of the NMDA receptor subunits, NR3A and NR1, in human prefrontal cortex.; Cereb Cortex.2008 Nov;18(11): 2560-73.; Pubmed 18296432 This antibody has been successfully used in the following paper: ; Kiepe D, Van Der Pas A, Ciarmatori S, Stöndker L, Schtt B, Hoeflich A, Hgel U, Oh J, T¶inshoff B.; Defined carboxy-terminal fragments of insulin-like growth factor (IGF) binding protein 2 exert similar mitogenic activity on cultured rat growth plate chondrocytes as IGF-I.; Endocrinology.2008 Oct;149(10): 4901-11.; Pubmed 18556354 The goat polyclonal antibody used as described in this paper was manufactured by us: ; Gerstner JR, Bremer QZ, Vander Heyden WM, Lavaute TM, Yin JC, Landry CF.; Brain fatty acid binding protein (Fabp7) is diurnally regulated in astrocytes and hippocampal granule cell precursors in adult rodent brain.; PLoS One.2008 Feb 20;3(2): e1631.; Pubmed 18286188 * The goat polyclonal antibody used as described in this paper was manufactured by us: ; Nguyen M, Pace AJ, Koller BH.; Mice lacking NKCC1 are protected from development of bacteremia and hypothermic sepsis secondary to bacterial pneumonia.; J Exp Med.2007 Jun 11;204(6): 1383-93.; Pubmed 17517966
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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
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
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.