

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

Rabbit anti-GAPDH Antibody, Affinity Purified

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA211066	Rabbit	Human, Mouse	Immunohistochemistry, Western Blot

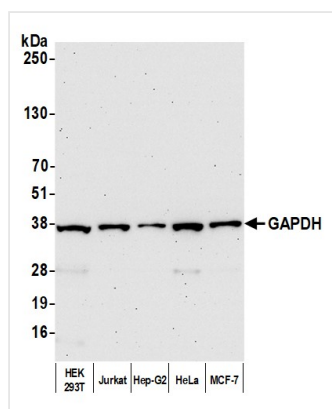
PRODUCT SYNONYMS

GAPDH; Polyclonal Antibody; Rabbit anti-GAPDH Antibody; Affinity Purified; GAPD; peptidyl-cysteine S-nitrosylase GAPDH; Oct1 coactivator in S phase; 38 Kd component; OCAS; p38 component; HEL-S-162eP; G3PD; epididymis secretory sperm binding protein Li 162eP; aging-associated gene 9 protein; glyceraldehyde-3-phosphate dehydrogenase; Glyceraldehyde-3-phosphate dehydrogenase; anti-GAPDH antibody

PRODUCT SPECIFICATIONS

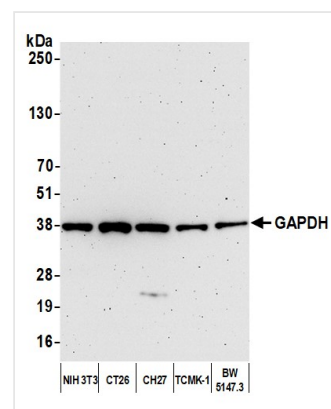
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Purity/Purification	Antigen Affinity Purified
Form/Format	Liquid. Whole IgG. Tris-buffered Saline containing 0.1% BSA and 0.09% Sodium Azide
Concentration	200ug/ml (varies by lot)
Applicable Applications for anti-GAPDH antibody	IHC (Immunohistochemistry), WB (Western Blot)
Predicted Reactivity	Rat, Zebrafish, Chicken, Sheep, Bovine, Rabbit, Pig, Golden hamster, Cat, Orangutan
Immunogen	Between 175 and 225
Conjugation	Unconjugated
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt

IMAGES



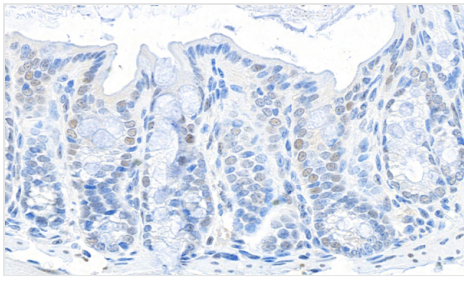
WB (Western Blot)

Detection of human GAPDH by western blot. Samples: Whole cell lysate (10 ug) from HEK293T, Jurkat, Hep-G2, HeLa, and MCF-7 cells prepared using NETN lysis buffer. Antibody: Affinity purified rabbit anti-GAPDH antibody (AAA211066 lot 6) used for WB at 0.04 ug/ml. Detection: Chemiluminescence with an exposure time of 75 seconds.



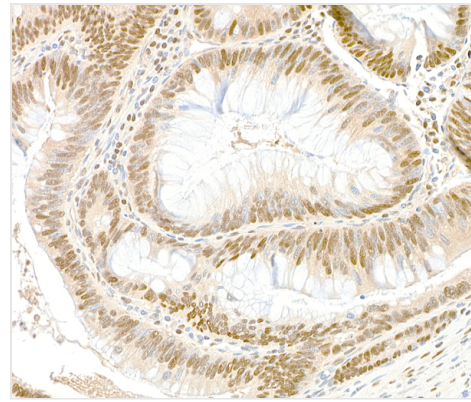
WB (Western Blot)

Detection of mouse GAPDH by western blot. Samples: Whole cell lysate (10 ug) from NIH 3T3, CT26, CH27, TCMK-1, and BW5147.3 cells prepared using NETN lysis buffer. Antibody: Affinity purified rabbit anti-GAPDH antibody (AAA211066 lot 6) used for WB at 0.04 ug/ml. Detection: Chemiluminescence with an exposure time of 3 minutes.



IHC (Immunohistochemistry)

Detection of mouse GAPDH by immunohistochemistry. Sample: FFPE section of mouse intestine. Antibody: Affinity purified rabbit anti-GAPDH (AAA211066 Lot 6) used at a dilution of 1:1,000 (0.2ug/ml). Detection: DAB



IHC (Immunohistochemistry)

Detection of human GAPDH by immunohistochemistry. Sample: FFPE section of human colon carcinoma. Antibody: Affinity purified rabbit anti-GAPDH (AAA211066 Lot 6) used at a dilution of 1:1,000 (0.2ug/ml). Detection: DAB

ADDITIONAL INFORMATION

Related Product Information for anti-GAPDH antibody	In the process of carbohydrate metabolism, GAPDH (glyceraldehydes-3-phosphate dehydrogenase) catalyzes the oxidative phosphorylation of glyceraldehydes-3-phosphate to 1,3-diphosphoglycerate in the presence of nicotinamide adenine dinucleotide (NAD) and inorganic phosphate. In addition to its role in the oxidation of glucose, GAPDH has been shown to be involved in other cellular processes such as vesicle transport, DNA repair, DNA replication, cytoskeletal modulation, and tRNA export.
Product Categories/Family for anti-GAPDH antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	7669492
NCBI GeneID	2597
NCBI Accession #	NP_002037.2
NCBI GenBank Nucleotide #	NM_002046.3
UniProt Accession #	P04406 ; P00354 ; Q53X65
Molecular Weight	36,053 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
NCBI Protein Information	glyceraldehyde-3-phosphate dehydrogenase; aging-associated gene 9 protein; peptidyl-cysteine S-nitrosylase GAPDH
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.

