

Rabbit PHGDH Polyclonal Antibody | anti-PHGDH antibody

PHGDH antibody - middle region

CATALOG # AAA200428	HOST Rabbit	REACTIVITY Cow, Dog, Guinea Pig, Horse, Human, Mouse, Pig, Rabbit, Rat, Zebrafish	APPLICATIONS Western Blot
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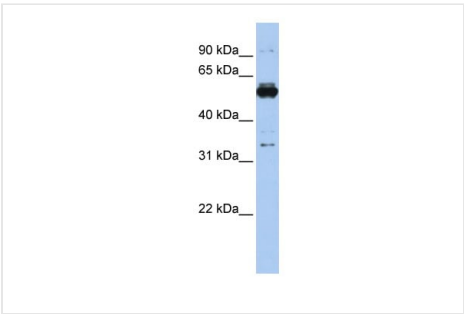
PRODUCT SYNONYMS

PHGDH; Polyclonal Antibody; PHGDH antibody - middle region; anti-PHGDH antibody

PRODUCT SPECIFICATIONS

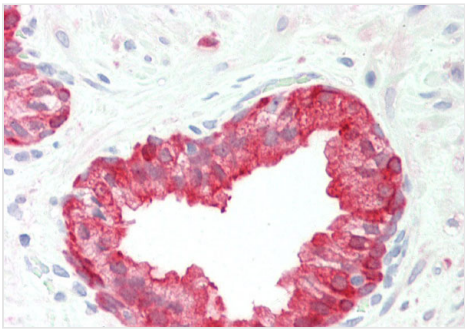
Host	Rabbit
Reactivity	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Pig, Rabbit, Rat, Zebrafish
Clonality	Polyclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer and 0.09% sodium azide
Concentration	0.5 mg/ml (varies by lot)
Sequence	Synthetic peptide located within the following region: CA GAALDVFTTE PPRDRALVDH ENVISCPHLG ASTKEAQSRC GEEIAVQF
Sequence Length	533
Applicable Applications for anti-PHGDH antibody	WB (Western Blot)
Homology	Cow: 93%; Dog: 92%; Guinea Pig: 93%; Horse: 100%; Human: 100%; Mouse: 100%; Pig: 100%; Rabbit: 100%; Rat: 100%; Zebrafish: 79%
Immunogen	The immunogen is a synthetic peptide directed towards the middle region of human PHGDH
Protein Interactions	HUWE1; UBC; FUS; SUMO2; ITSN1; ROM1; RPAP3; EPN1; SUMO1; NEDD8; MDM2; SUZ12; RNF2; EZH2; BMI1; FBXO6; TARDBP; EGFR; UBD; CLN5; CLN3; CDK2; PIAS4; FN1; TRAF3IP1; ECT2; MDC1; UQCC3; VASN; TRIM55; SMU1; TRA2A; ADNP; NCSTN; U2AF2; TCERG1; UTP14A; SRSF10; SAP1
Preparation and Storage	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

IMAGES



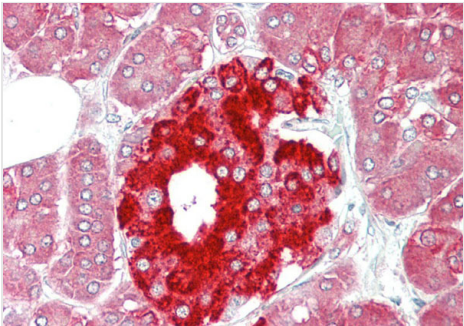
WB (Western Blot)

WB Suggested Anti-PHGDH Antibody Titration: 0.2-1 ug/mlELISA Titer: 1:62500Positive Control: 293T cell lysatePHGDH is supported by BioGPS gene expression data to be expressed in HEK293T



IHC (Immunohistochemistry)

Rabbit Anti-PHGDH antibodyFormalin Fixed Paraffin Embedded Tissue: Human ProstatePrimary antibody Concentration: 1:100Secondary Antibody: Donkey anti-Rabbit-Cy3Secondary Antibody Concentration: 1:200Magnification: 20xExposure Time: 0.5-2.0sec



IHC (Immunohistochemistry)

Rabbit Anti-PHGDH antibodyFormalin Fixed Paraffin Embedded Tissue: Human PancreasPrimary antibody Concentration: 1:100Secondary Antibody: Donkey anti-Rabbit-Cy3Secondary Antibody Concentration: 1:200Magnification: 20xExposure Time: 0.5-2.0sec

ADDITIONAL INFORMATION

Related Product Information for anti-PHGDH antibody	This is a rabbit polyclonal antibody against PHGDH. It was validated on Western Blot using a cell lysate as a positive control. Target Description: 3-Phosphoglycerate dehydrogenase (PHGDH) catalyzes the transition of 3-phosphoglycerate into 3-phosphohydroxypyruvate, which is the first and rate-limiting step in the phosphorylated pathway of serine biosynthesis, using NAD⁺/NADH as a cofactor.3-Phosphoglycerate dehydrogenase (PHGDH; EC 1.1.1.95) catalyzes the transition of 3-phosphoglycerate into 3-phosphohydroxypyruvate, which is the first and rate-limiting step in the phosphorylated pathway of serine biosynthesis, using NAD⁺/NADH as a cofactor.[supplied by OMIM].
Product Categories/Family for anti-PHGDH antibody	Polyclonal; Neurobiology ; Drugs and Drug Metabolism

NCBI AND UNIPROT INFORMATION

NCBI GI #	23308577
NCBI GeneID	26227
NCBI Accession #	NP_006614
NCBI GenBank Nucleotide #	NM_006623
UniProt Accession #	O43175
Molecular Weight	57kDa
NCBI Official Full Name	D-3-phosphoglycerate dehydrogenase

NCBI Official Synonym Full Names	phosphoglycerate dehydrogenase
NCBI Official Symbol	PHGDH
NCBI Official Synonym Symbols	NLS; PDG; PGD; NLS1; PGAD; PGDH; SERA; 3PGDH; 3-PGDH; PHGDHD; HEL-S-113
NCBI Protein Information	D-3-phosphoglycerate dehydrogenase
UniProt Protein Name	D-3-phosphoglycerate dehydrogenase
UniProt Gene Name	PHGDH
UniProt Synonym Gene Names	PGDH3; 3-PGDH
UniProt Entry Name	SERA_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/phgdh-antibody-western-blot-elisa/200428>