

Rabbit PHGDH Polyclonal Antibody | anti-PHGDH antibody

PHGDH Antibody (N-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA287655	Rabbit	Human, mouse (Predicted Reactivity: Bovine, Monkey, Pig)	Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA, Western Blot

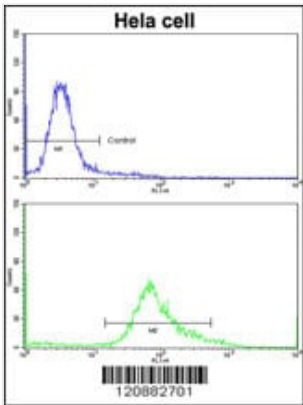
PRODUCT SYNONYMS

PHGDH; Polyclonal Antibody; PHGDH Antibody (N-term); D-3-phosphoglycerate dehydrogenase; 3-PGDH; PGDH3; anti-PHGDH antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, mouse (Predicted Reactivity: Bovine, Monkey, Pig)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This PHGDH antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 140-168 amino acids from the N-terminal region of human PHGDH.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 2 (varies by lot)
Sequence Positions	140-168
Sequence Length	533
Applicable Applications for anti-PHGDH antibody	FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

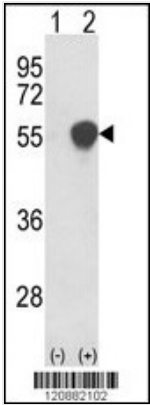
IMAGES



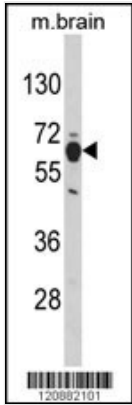
FCM/FACS (Flow Cytometry)
Flow cytometric analysis of hela cells using PHGDH Antibody (N-term)(bottom histogram) compared to a negative control cell (top histogram)FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IHC (Immunohistochemisry)
Formalin-fixed and paraffin-embedded human brain tissue reacted with PHGDH Antibody (N-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



WB (Western Blot)
Western blot analysis of PHGDH (arrow) using rabbit polyclonal PHGDH Antibody (N-term). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the PHGDH gene (Lane 2).



WB (Western Blot)
Western blot analysis of PHGDH Antibody (N-term) in mouse brain tissue lysates (35ug/lane). PHGDH (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-PHGDH antibody	3-Phosphoglycerate dehydrogenase 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.
Product Categories/Family for anti-PHGDH antibody	Metabolism; Neuroscience; Signal Transduction
References	Klomp,L.W., et.al., Am. J. Hum. Genet. 67 (6), 1389-1399 (2000)

NCBI AND UNIPROT INFORMATION

NCBI GI #	23308577
NCBI GeneID	26227
NCBI Accession #	NP_006614.2
NCBI GenBank Nucleotide #	NM_006623.3
UniProt Accession #	O43175; Q5SZU3; Q9BQ01; B2RD08
Molecular Weight	56651

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-flow-cytometry-immunohistochemistry-western-blot-elisa/287655>