

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

Rabbit anti-PHGDH Antibody, Affinity Purified

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA212895	Rabbit	Human, Mouse	Immunohistochemistry, Immunoprecipitation, Western Blot

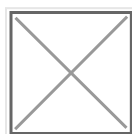
PRODUCT SYNONYMS

PHGDH; Polyclonal Antibody; Rabbit anti-PHGDH Antibody; Affinity Purified; epididymis secretory protein Li 113; PGDH; PGD; PGAD; PDG; SERA; NLS1; PHGDHD; HEL-S-113; D-3-phosphoglycerate dehydrogenase; 3-phosphoglycerate dehydrogenase; 3-PGDH; 3PGDH; 2-oxoglutarate reductase; malate dehydrogenase; NLS; phosphoglycerate dehydrogenase; anti-PHGDH antibody

PRODUCT SPECIFICATIONS

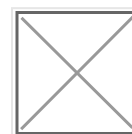
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Purity/Purification	Antigen Affinity Purified
Form/Format	Liquid. Whole IgG. Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide
Concentration	1000ug/ml (varies by lot)
Applicable Applications for anti-PHGDH antibody	IHC (Immunohistochemistry), IP (Immunoprecipitation), WB (Western Blot)
Predicted Reactivity	Bovine, Pig, Orangutan, Chimpanzee
Immunogen	Between 1 and 50
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 mouse PHGDH by western blot. Samples: Whole cell lysate (10 ug) from NIH 3T3, CT26, CH27, and TCMK-1 cells prepared using NETN lysis buffer. Antibody: Affinity purified rabbit anti-PHGDH antibody (AAA212895-2 lot 2) used for WB at 0.1 ug/ml. Detection: Chemiluminescence with an exposure time of 30 seconds.



WB (Western Blot)

Detection of human PHGDH by western blot. Samples: Whole cell lysate (10 ug) from HEK293T, Jurkat, Hep-G2, and LNCaP cells prepared using NETN lysis buffer. Antibody: Affinity purified rabbit anti-PHGDH antibody (AAA212895-2 lot 2) used for WB at 0.1 ug/ml. Detection: Chemiluminescence with an exposure time of 30 seconds.



IP (Immunoprecipitation)

Detection of human PHGDH by western blot of immunoprecipitates. Samples: Whole cell lysate (1.0 mg per IP reaction; 10% of IP loaded) from HEK293T cells prepared using NETN lysis buffer. Antibodies: Affinity purified rabbit anti-PHGDH antibody (AAA212895 lot 2) used for IP at 6 ug per reaction. PHGDH was also immunoprecipitated by a previous lot of this antibody (AAA212895 lot 1) and a second antibody against a different epitope of PHGDH (BL18439). For blotting immunoprecipitated PHGDH, AAA212895 was used at 0.1 ug/ml. Detection: Chemiluminescence with an exposure time of 3 seconds.



IHC (Immunohistochemistry)

Detection of human PHGDH by immunohistochemistry. Sample: FFPE section of human breast carcinoma. Antibody: Affinity purified rabbit anti-PHGDH (Cat. No. AAA212895 Lot2) used at a dilution of 1:1,000 (1ug/ml). Detection: DAB

ADDITIONAL INFORMATION

Related Product Information for anti-PHGDH antibody	D-3-phosphoglycerate dehydrogenase (PHGDH) is an enzyme involved in the early steps of L-serine synthesis in animal cells. L-serine is required for D-serine and other amino acid synthesis. The enzyme requires NAD/NADH as a cofactor and forms homotetramers for activity. Mutations in this gene have been found in a family with congenital microcephaly, psychomotor retardation and other symptom [taken from NCBI Entrez Gene (Gene ID: 26227)].
Product Categories/Family for anti-PHGDH antibody	Primary Antibodies

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	56,651 Da
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; epididymis secretory protein Li 113
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://stage.aaabiotech.com/polyclonal/phgdh-antibody-immunohistochemistry-immunoprecipitation-western-blot-elisa/212895>