

Rabbit anti-Human D-3-phosphoglycerate dehydrogenase Polyclonal Antibody | anti-PHGDH antibody

Rabbit anti-human D-3-phosphoglycerate dehydrogenase polyclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA229230	Rabbit	Human	Immunohistochemistry, Western Blot, ELISA

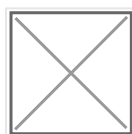
PRODUCT SYNONYMS

D-3-phosphoglycerate dehydrogenase; Polyclonal Antibody; Rabbit anti-human D-3-phosphoglycerate dehydrogenase polyclonal Antibody; D-3-phosphoglycerate dehydrogenase protein; 3-PGDH $\rightarrow$ PGDH3 $\rightarrow$ PHGDH; anti-PHGDH antibody

PRODUCT SPECIFICATIONS

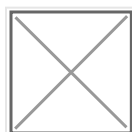
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Caprylic Acid Ammonium Sulfate Precipitation purified
Form/Format	Liquid
Sequence Length	533
Applicable Applications for anti-PHGDH antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Immunogen	Recombinant human D-3-phosphoglycerate dehydrogenase protein
Conjugation	Non-conjugated
Storage Buffer	Preservative: 0.03% Proclin 300; Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-16222
Preparation and Storage	Shipped at 4 degree C. Upon delivery, aliquot and store at -20 degree C or -80 degree C.

IMAGES



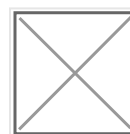
IF (Immunofluorescence)

Immunofluorescent analysis of PC3 cells using AAA229230 at a dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)



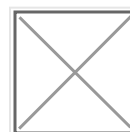
IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human kidney using AAA229230 at dilution of 1:100



IHC (Immunohistochemistry)

Immunofluorescent analysis of MCF-7 cells using AAA229230 at a dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)



WB (Western Blot)

All lanes: D-3-phosphoglycerate dehydrogenase antibody at 2ug/ml
Lane 1: EC109 whole cell lysate
Lane 2: 293T whole cell lysate
Secondary: Goat polyclonal to Rabbit IgG at 1/15000 dilution
Predicted band size: 59 kDa
Observed band size: 59 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-PHGDH antibody	PHGDH or 3-phosphoglycerate dehydrogenase is an enzyme belonging to the D-isomer specific 2-hydroxyacid dehydrogenase family. It catalysis the reaction 3-phosphoglycerate + NAD+ = 3-phosphonoxyypyruvate + NADH during L-serine biosynthesis. Defects in PHGDH are the cause of phosphoglycerate dehydrogenase deficiency (PHGDH deficiency). It is characterized by congenital microcephaly, psychomotor retardation and seizures.
Product Categories/Family for anti-PHGDH antibody	Metabolism

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
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/d-3-phosphoglycerate-dehydrogenase-antibody-immunohistochemistry-western-blot-elisa/229230>