

Product datasheet for TA334410

PHGDH Rabbit Polyclonal Antibody

Product data:

Product Type: Primary Antibodies

Applications: WB

Recommended Dilution: WB

Reactivity: Human

Host: Rabbit

Isotype: IgG

Clonality: Polyclonal

Immunogen: The immunogen for anti-PHGDH antibody: synthetic peptide directed towards the middle

region of human PHGDH. Synthetic peptide located within the following region:

CAGAALDVFTEEPPRDRALVDHENVISCPHLGASTKEAQSRCGEEIAVQF

Formulation: Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2%

sucrose.

Note that this product is shipped as lyophilized powder to China customers.

Purification: Affinity Purified

Conjugation: Unconjugated

Store at -20°C as received.

Stability: Stable for 12 months from date of receipt.

Predicted Protein Size: 57 kDa

Gene Name: phosphoglycerate dehydrogenase

Database Link: NP 006614

Entrez Gene 26227 Human

O43175



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PHGDH Rabbit Polyclonal Antibody - TA334410

Background: 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]

Synonyms: 3-PGDH; 3PGDH; HEL-S-113; NLS; NLS1; PDG; PGDD; PGDH; PHGDHD; SERA

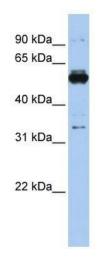
Note: Immunogen Sequence Homology: Pig: 100%; Rat: 100%; Horse: 100%; Human: 100%; Mouse:

100%; Rabbit: 100%; Bovine: 93%; Guinea pig: 93%; Dog: 92%; Zebrafish: 79%

Protein Families: Druggable Genome, Stem cell - Pluripotency

Protein Pathways: Glycine, serine and threonine metabolism, Metabolic pathways

Product images:



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

HEK293T