

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: CAGAALDVFTTEPPRDRALVDHENVISCPHLGASTKEAQSRCGEEIAVQF
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	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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- 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; PGAD; PGD; 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 lysate PHGDH is supported by
BioGPS gene expression data to be expressed in
HEK293T