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Product datasheet for TA334411

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: SLKNAGNCLSPAVIVGLLKEASKQADVNLVNAKLLVKEAGLNVTTSHSPA
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
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

View online »

Background: 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.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: Rat: 100%; Human: 100%; Mouse: 100%; Rabbit: 93%; Dog: 92%; Pig: 86%; Horse: 83%

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: 12500; Positive Control: 293T cell lysatePHGDH is supported by BioGPS gene expression data to be expressed in HEK293T