

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

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

<u>O43175</u>



OriGene Technologies, Inc. 9620 Medical Center Drive, Ste 200

CN: techsupport@origene.cn

Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com



PHGDH Rabbit Polyclonal Antibody - TA334411

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; PGDH; PHGDHD; SERA

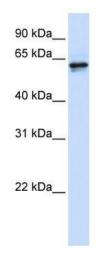
Note: Immunogen Sequence Homology: Rat: 100%; Human: 100%; Mouse: 100%; Rabbit: 93%; Dog:

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