

PHGDH rabbit monoclonal antibody

Catalog # H00026227-K Size 100 ug x up to 3

Specification

Product Description	Rabbit monoclonal antibody raised against a human PHGDH peptide using ARM Technology.
Immunogen	A synthetic peptide of human PHGDH is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.
Host	Rabbit
Library Construction	Non-fusion antibody library from rabbit spleen (ARM Technology).
Expression	Overexpression vector and transfection into 293H cell line.
Reactivity	Human
Purification	Protein A
Isotype	IgG
Quality Control Testing	Antibody reactive against human PHGDH peptide by ELISA and mammalian transfected lysate by Western Blot.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Deliverable	Up to three rabbit IgG clones of 100 ug each will be delivered to customer.
Note	1. Customer may provide cell or tissue lysate for antibody screening. 2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering including F(ab) ₂ , IgG, scFv and different Fc and non-Fc conjugates per customer request.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- ELISA

Gene Info — PHGDH

Entrez GeneID	26227
GeneBank Accession#	PHGDH
Gene Name	PHGDH
Gene Alias	3-PGDH, 3PGDH, MGC3017, PDG, PGAD, PGD, PGDH, SERA
Gene Description	phosphoglycerate dehydrogenase
Omim ID	601815 606879
Gene Ontology	Hyperlink
Gene Summary	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]
Other Designations	3-phosphoglycerate dehydrogenase OTTHUMP00000013926

Pathway

- [Glycine](#)
- [Metabolic pathways](#)

Disease

- [Genetic Predisposition to Disease](#)
- [Kidney Failure](#)
- [Schizophrenia](#)