

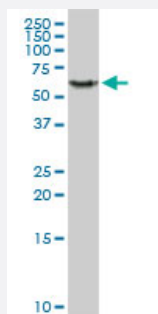
MaxPab®

PHGDH purified MaxPab rabbit polyclonal antibody (D01P)

Catalog # H00026227-D01P

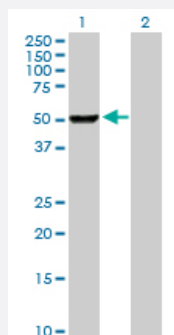
Size 100 ug

Applications



Western Blot (Tissue lysate)

PHGDH MaxPab rabbit polyclonal antibody. Western Blot analysis of PHGDH expression in human kidney.



Western Blot (Transfected lysate)

Western Blot analysis of PHGDH expression in transfected 293T cell line ([H00026227-T02](#)) by PHGDH MaxPab polyclonal antibody.

Lane 1: PHGDH transfected lysate(56.70 KDa).

Lane 2: Non-transfected lysate.

Specification

Product Description

Rabbit polyclonal antibody raised against a full-length human PHGDH protein.

Immunogen

PHGDH (NP_006614.2, 1 a.a. ~ 533 a.a) full-length human protein.

Sequence	MAFANLRKVLISDSLDPCCRKILQDGGGLQVVEKQNLKEELIAELQDCEGLVRSATKVTADVINA EKLQVVGRAGTGVDNVDLEAATRKGLVMNTPNGNSLSAAELTCGMIMCLARQIPQATASMKDGK WERKKFMGTENGLKTLGILGLGRIGREVATRMQSFGMKTIGYDPIISPEVSASFVQQLPLEEWPL CDFITVHTPLLPSTTGLLNDNTFAQCKKGVRVNCARGGIVDEGALLRALQSGQCAGAALDVFTE EPPRDRALVDHENVISCPHLGASTKEAQSRCGEEIAVQFVDMVKGKSLTGVVNAQALTSASFSPH TKPWIGLAEALGTLRAWAGSPKGTIQVITQGTSLKNAGNCLSPAVIVGLLKEASKQADVNLVNAK LLVKEAGLNVTTSHSPAAPGEQGFGECLLAVALAGAPYQAVGLVQGTTPVLQGLNGAVFRPEVP LRRDLPLLLFRTQTSDPAMLPTMIGLLAEAGVRLLSYQTSLSVSDGETWHVMGISSLLPSLEAWKQ HVTEAFQFHF
Host	Rabbit
Reactivity	Human
Interspecies Antigen Sequence	Mouse (94); Rat (94)
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Tissue lysate)

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[Protocol Download](#)

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Western Blot analysis of PHGDH expression in transfected 293T cell line ([H00026227-T02](#)) by PHGDH MaxPab polyclonal antibody.

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[Protocol Download](#)

Gene Info — PHGDH

Entrez GeneID	26227
GeneBank Accession#	NM_006623.2
Protein Accession#	NP_006614.2

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](#)