

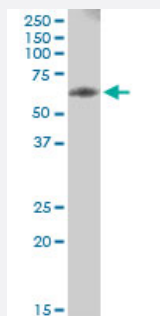
MaxPab®

PHGDH purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00026227-B01P

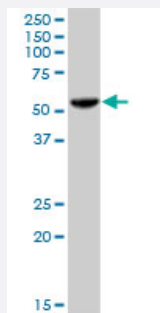
Size 50 ug

Applications



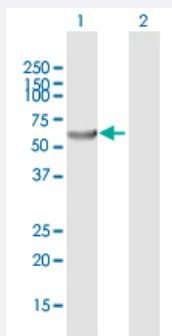
Western Blot (Cell lysate)

PHGDH MaxPab polyclonal antibody. Western Blot analysis of PHGDH expression in Raw 264.7.



Western Blot (Cell lysate)

PHGDH MaxPab polyclonal antibody. Western Blot analysis of PHGDH expression in Jurkat.



Western Blot (Transfected lysate)

Western Blot analysis of PHGDH expression in transfected 293T cell line ([H00026227-T01](#)) by PHGDH MaxPab polyclonal antibody.

Lane 1: PHGDH transfected lysate(58.63 KDa).

Lane 2: Non-transfected lysate.

Specification

Product Description

Mouse 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	MAFANLRKVLISDSDLPCCRKILQDGGGLQVVEKQNLKSKEELIAELQDCEGLVRSATKVTADVINA EKLQVVGRAGTGVNDVDLEAATRKGLVMNTPNGNSLSAAELTCGMIMCLARQIPQATASMKDGK WERKKFMGTELNKGTGLGILGLGRIGREVATRMQSFGMKTIGYDPIISPEVSASFVQQLPLEEWPL CDFITVHTPLLPSTTGLLNDNTFAQCKKGVRVVCARGGIVDEGALLRALQSGQCAGAALDVFTE EPPRDRALVDHENVISCPHLGASTKEAQSRCGEEIAVQFVDMVKGKSLTGVVNAQALTSFSPH TKPWIGLAEALGTLMRAWAGSPKGTIQVITQGTSLKNAGNCLSPAVIVGLLKEASKQADVNLVNAK LLVKEAGLNVTTSHSPAAPGEQGFGECLLAVALAGAPYQAVGLVQGTPVLQGLNGAVFRPEVP LRRDLPLLLFRTQTSDPAMLPTMIGLLAEAGVRLLSYQTSLSVSDGETWHVMGISSLLPSLEAWKQ HVTEAFQFHF
Host	Mouse
Reactivity	Human, Mouse
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

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[Protocol Download](#)

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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](#)