

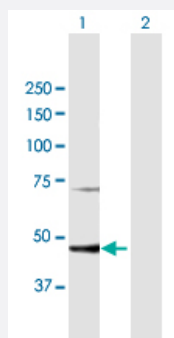
MaxPab®

PGD purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00005226-B01P

Size 50 ug

Applications



Western Blot (Transfected lysate)

Western Blot analysis of PGD expression in transfected 293T cell line ([H00005226-T01](#)) by PGD MaxPab polyclonal antibody.

Lane 1: PGD transfected lysate(53.13 KDa).

Lane 2: Non-transfected lysate.

Specification

Product Description

Mouse polyclonal antibody raised against a full-length human PGD protein.

Immunogen

PGD (NP_002622.2, 1 a.a. ~ 483 a.a) full-length human protein.

Sequence

MAQADIALIGLAVMGQNILNMNDHGFVVCAFNRTVSKVDDFLANEAKGTKVVGAQSLKEMVSKL
KKPRRIILLVKAGQAVDDFIEKLVPLLDTGDIIDGGNSEYRDTTRRCRDLKAKGILFVGSGVSGGEE
GARYGPSLMPGGNKEAWPHIKTIFQGIAAKVGTGEPCCDWVGDEGAGHFVKMVHNGIEYGDMLQ
ICEAYHLMKDVLGMAQDEMAQAFEDWNKTELDSFLIEITANILKFQDQTDGKHLLPKIRDSAGQKGT
GKWTASALEYGVPTLIGEAVFARCLSSLKDERIQASKKLKGPQKFQFDGDKKSFLDIRKALYA
SKIISYAQGFMLLRQAATEFGWTLNYGGIALMWRGGCIIRSVFLGKIKDAFDRNPQLNLLDDFFK
SAVENCQDSWRRRAVSTGVQAGIPMPCFTTALSFYDGYRHEMLPASLIQAQRDYFGAHTYELLA KP
GQFIHTNWTGHGGTVSSSSYNA

Host

Mouse

Reactivity

Human

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.

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[Protocol Download](#)

Gene Info — PGD

Entrez GeneID [5226](#)

GeneBank Accession# [NM_002631.2](#)

Protein Accession# [NP_002622.2](#)

Gene Name PGD

Gene Alias 6PGD

Gene Description phosphogluconate dehydrogenase

Omim ID [172200](#)

Gene Ontology [Hyperlink](#)

Gene Summary 6-phosphogluconate dehydrogenase is the second dehydrogenase in the pentose phosphate shunt. Deficiency of this enzyme is generally asymptomatic, and the inheritance of this disorder is autosomal dominant. Hemolysis results from combined deficiency of 6-phosphogluconate dehydrogenase and 6-phosphogluconolactonase suggesting a synergism of the two enzymopathies. [provided by RefSeq]

Other Designations 6-phosphogluconate dehydrogenase

Pathway

- [Biosynthesis of alkaloids derived from histidine and purine](#)
- [Biosynthesis of plant hormones](#)
- [Glutathione metabolism](#)

- [Metabolic pathways](#)
- [Pentose phosphate pathway](#)

Disease

- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Hepatitis B](#)
- [Liver Neoplasms](#)