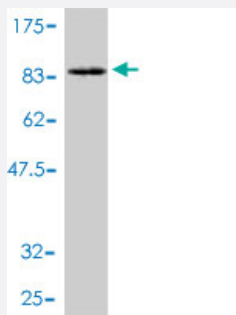


PGM1 polyclonal antibody (A01)

Catalog # H00005236-A01

Size 50 uL

Applications



Western Blot detection against Immunogen (87.93 KDa) .

Specification

Product Description	Mouse polyclonal antibody raised against a full-length recombinant PGM1.
Immunogen	PGM1 (AAH19920, 1 a.a. ~ 562 a.a) full-length recombinant protein with GST tag.
Sequence	MVKMTVKTKQAYQDQKPGTSGLRKRVKVFQSSANYAENFIQSIISTVEPAQRQEATLVVGGDGRFY MKEAQLIARIAAANGIGRLVIGQNGILSTPAVSCIIRKKAIGGILTASHNPGGPNNGDFGIKFNISNGGP APEAITDKIFQISKTEIYAVCPDLKVDLGVLGKQQFDLENKFKPFTVEVDSVEAYATMLRSIFDFS ALKELLSGPNRLKIRIDAMHGTVGPYVKILCEELGAPANSVNCVPLEDFGGHHPDPNLTYAADL VETMKSGEHDFGAAFDGDGDRNMILGKHGFFVNPDSVAVIAANFISIPYFQQTGVRGFARSMPT SGALDRVASATKIALYETPTGWKFFGNLMDASKLSLCGEESFGTGSDDHIREKDGLWAVLAWLSIL ATRQKQSVEDILKDHWWQKYGRNFFTRYDYEEVEAEGANKMMKDLEALMFDRSFVKGQFSANDKV YTVEKADNFEYSDPVDGSGSRNQGLRLIFTDGSRIVFRSLGTGSAGATIRLYDSYEKDVAKINQDPQ VMLAPLISIALKVSQQLQERTGRTAPTIVT
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (97); Rat (97)
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (87.93 KDa) .
Storage Buffer	50 % glycerol

Storage Instruction

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

Gene Info — PGM1**Entrez GeneID** [5236](#)**GeneBank Accession#** [BC019920](#)**Protein Accession#** [AAH19920](#)**Gene Name** PGM1**Gene Alias** -**Gene Description** phosphoglucomutase 1**Omim ID** [171900](#)**Gene Ontology** [Hyperlink](#)

Gene Summary Phosphoglucomutases (PGM; EC 5.4.2.2) catalyze the transfer of phosphate between the 1 and 6 positions of glucose. Isozymes of PGM are monomeric, with molecular masses of about 60 kD, and are encoded by several genes, including PGM1. In most cell types, PGM1 isozymes predominate, representing about 90% of total PGM activity. One exception is red cells, where PGM2 (MIM 172000) is a major isozyme (Putt et al., 1993 [PubMed 8257433]).[supplied by OMIM]

Other Designations OTTHUMP00000010519|OTTHUMP00000046842**Publication Reference**

- [Expression of Arabidopsis plastidial phosphoglucomutase in tobacco stimulates photosynthetic carbon flow into starch synthesis.](#)

Uematsu K, Suzuki N, Iwamae T, Inui M, Yukawa H.

Journal of Plant Physiology 2012 Oct; 169(15):1454.

Application: WB, Plant, Plant chloroplasts

- [Analysis of proteomic profiles and functional properties of human peripheral blood myeloid dendritic cells, monocyte-derived dendritic cells and the dendritic cell-like KG-1 cells reveals distinct characteristics.](#)

Horlock C, Shakib F, Mahdavi J, Jones NS, Sewell HF, Ghaemmaghami AM.

Genome Biology 2007 Mar; 8(3):R30.

Application: ELISA, Human, Human dendritic cells

Pathway

- [Amino sugar and nucleotide sugar metabolism](#)
- [Galactose metabolism](#)
- [Glycolysis / Gluconeogenesis](#)
- [Metabolic pathways](#)
- [Pentose phosphate pathway](#)
- [Starch and sucrose metabolism](#)
- [Streptomycin biosynthesis](#)

Disease

- [Birth Weight](#)
- [Body Weight](#)
- [Diabetes Mellitus](#)
- [Genetic Predisposition to Disease](#)
- [Obesity](#)
- [Tobacco Use Disorder](#)

- [Tuberculosis](#)