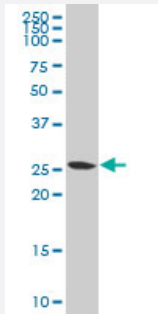


PMM2 polyclonal antibody (A01)

Catalog # H00005373-A01

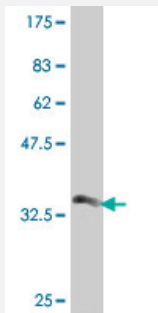
Size 50 uL

Applications



Western Blot (Cell lysate)

PMM2 polyclonal antibody (A01), Lot # 051219JC01 Western Blot analysis of PMM2 expression in HL-60 (Cat # L014V1).



Western Blot detection against Immunogen (33.26 KDa) .

Specification

Product Description	Mouse polyclonal antibody raised against a partial recombinant PMM2.
Immunogen	PMM2 (NP_000294, 47 a.a. ~ 111 a.a) partial recombinant protein with GST tag.
Sequence	SDFEKVQEQLGNDVVEKYDYVFPENGLVAYKDGKLLCRQNIQSHLGEALIQDLINYCLSYIAKIK
Host	Mouse
Reactivity	Human
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (33.26 KDa) .

Storage Buffer	50 % glycerol
----------------	---------------

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

Applications

- Western Blot (Cell lysate)

PMM2 polyclonal antibody (A01), Lot # 051219JC01 Western Blot analysis of PMM2 expression in HL-60 (Cat # L014V1).

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

Gene Info — PMM2

Entrez GeneID	5373
---------------	----------------------

GeneBank Accession#	NM_000303
---------------------	---------------------------

Protein Accession#	NP_000294
--------------------	---------------------------

Gene Name	PMM2
-----------	------

Gene Alias	CDG1, CDG1a, CDGS
------------	-------------------

Gene Description	phosphomannomutase 2
------------------	----------------------

Omim ID	212065 601785
---------	---

Gene Ontology	Hyperlink
---------------	---------------------------

Gene Summary	The protein encoded by this gene catalyzes the isomerization of mannose 6-phosphate to mannose 1-phosphate, which is a precursor to GDP-mannose necessary for the synthesis of dolichol-P-oligosaccharides. Mutations in this gene have been shown to cause defects in glycoprotein biosynthesis, which manifests as carbohydrate-deficient glycoprotein syndrome type I. [provided by RefSeq]
--------------	--

Other Designations	-
--------------------	---

Publication Reference

- [A spoonful of L-fucose-an efficient therapy for GFUS-CDG, a new glycosylation disorder.](#)

René G Feichtinger, Andreas Hüllen, Andreas Koller, Dieter Kotzot, Valerian Grote, Erdmann Rapp, Peter Hofbauer, Karin Brugger, Christian Thiel, Johannes A Mayr, Saskia B Wortmann.

EMBO Molecular Medicine 2021 Sep; 13(9):e14332.

Application: IF, Human, Human fibroblasts

- [Proteostasis regulators as potential rescuers of PMM2 activity.](#)

Vilas A, Yuste-Checa P, Gallego D, Desviat LR, Ugarte M, Pérez-Cerda C, Gámez A, Pérez B.

Biochimica et Biophysica Acta. Molecular Basis of Disease 2020 Mar; 1866(7):165777.

Application: WB-Tr, Human, Fibroblasts

- [Pharmacological Chaperoning: A Potential Treatment For PMM2-CDG.](#)

Yuste-Checa P, Brasil S, Gámez A, Underhaug J, Desviat LR, Ugarte M, Pérez-Cerdá C, Martinez A, Pérez B.

Human Mutation 2017 Feb; 38(2):160.

Application: WB, Human, Human skin

Pathway

- [Amino sugar and nucleotide sugar metabolism](#)
- [Fructose and mannose metabolism](#)
- [Metabolic pathways](#)