

## **PMM2 Antibody (monoclonal) (M02)**

Mouse monoclonal antibody raised against a full-length recombinant PMM2.

Catalog # AT3356a

### **Specification**

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#### **PMM2 Antibody (monoclonal) (M02) - Product Information**

Application	WB
Primary Accession	<a href="#">O15305</a>
Other Accession	<a href="#">BC008310</a>
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG2b Kappa
Calculated MW	28082

#### **PMM2 Antibody (monoclonal) (M02) - Additional Information**

**Gene ID** 5373

#### **Other Names**

Phosphomannomutase 2, PMM 2, PMM2

#### **Target/Specificity**

PMM2 (AAH08310, 1 a.a. ~ 246 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

#### **Dilution**

WB~~1:500~1000

#### **Format**

Clear, colorless solution in phosphate buffered saline, pH 7.2 .

#### **Storage**

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

#### **Precautions**

PMM2 Antibody (monoclonal) (M02) is for research use only and not for use in diagnostic or therapeutic procedures.

#### **PMM2 Antibody (monoclonal) (M02) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

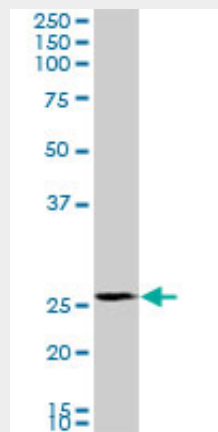
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)

- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### **PMM2 Antibody (monoclonal) (M02) - Images**



Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (52.8 KDa) .



PMM2 monoclonal antibody (M02), clone 2A5. Western Blot analysis of PMM2 expression in K-562 ( (Cat # AT3356a )

### **PMM2 Antibody (monoclonal) (M02) - Background**

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.

### **PMM2 Antibody (monoclonal) (M02) - References**

Functional analysis of three splicing mutations identified in the PMM2 gene: toward a new therapy for congenital disorder of glycosylation type Ia. Vega AI, et al. Hum Mutat, 2009 May. PMID 19235233. Primary skeletal dysplasia as a major manifesting feature in an infant with congenital disorder of glycosylation type Ia. Coman D, et al. Am J Med Genet A, 2008 Feb 1. PMID 18203160. Cerebellar ataxia and congenital disorder of glycosylation Ia (CDG-Ia) with normal routine CDG screening. Vermeer S, et al. J Neurol, 2007 Oct. PMID 17694350. Congenital disorder of

glycosylation type 1a: three siblings with a mild neurological phenotype. Coman D, et al. J Clin Neurosci, 2007 Jul. PMID 17451957. Characterization of two unusual truncating PMM2 mutations in two CDG-1a patients. Schollen E, et al. Mol Genet Metab, 2007 Apr. PMID 17307006.