

# PMM2 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP19008b

## Product Information

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<b>Application</b>	WB, E
<b>Primary Accession</b>	<a href="#">O15305</a>
<b>Other Accession</b>	<a href="#">Q9Z2M7</a> , <a href="#">Q60HD6</a> , <a href="#">Q3SZJ9</a> , <a href="#">NP_000294.1</a>
<b>Reactivity</b>	Human, Mouse, Rat
<b>Predicted</b>	Mouse, Monkey, Bovine
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	Rabbit IgG
<b>Clone Names</b>	RB39495
<b>Calculated MW</b>	28082
<b>Antigen Region</b>	198-226

## Additional Information

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<b>Gene ID</b>	5373
<b>Other Names</b>	Phosphomannomutase 2, PMM 2, PMM2
<b>Target/Specificity</b>	This PMM2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 198-226 amino acids from the C-terminal region of human PMM2.
<b>Dilution</b>	WB~~1:1000 E~~Use at an assay dependent concentration.
<b>Format</b>	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
<b>Storage</b>	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
<b>Precautions</b>	PMM2 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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<b>Name</b>	PMM2
<b>Function</b>	Involved in the synthesis of the GDP-mannose and dolichol-phosphate-mannose required for a number of critical mannosyl transfer reactions.

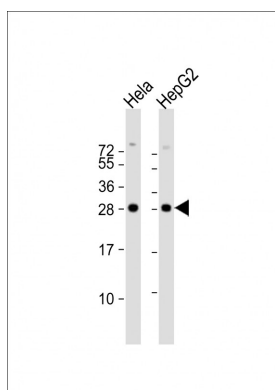
## Background

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. [provided by RefSeq].

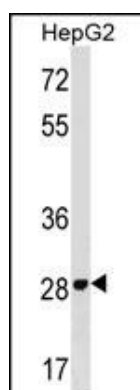
## References

Vega, A.I., et al. Hum. Mutat. 30(5):795-803(2009)  
Coman, D., et al. Am. J. Med. Genet. A 146(3):389-392(2008)  
Vermeer, S., et al. J. Neurol. 254(10):1356-1358(2007)  
Coman, D., et al. J Clin Neurosci 14(7):668-672(2007)  
Schollen, E., et al. Mol. Genet. Metab. 90(4):408-413(2007)

## Images



All lanes : Anti-PMM2 Antibody (C-term) at 1:1000 dilution  
Lane 1: HeLa whole cell lysate Lane 2: HepG2 whole cell lysate  
Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 28 kDa  
Blocking/Dilution buffer: 5% NFDM/TBST.



PMM2 Antibody (C-term) (Cat. #AP19008b) western blot analysis in HepG2 cell line lysates (35ug/lane). This demonstrates the PMM2 antibody detected the PMM2 protein (arrow).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.