

Rabbit anti-Human PMM2 Polyclonal Antibody | anti-PMM2 antibody

Anti-PMM2 Antibody, Rabbit Polyclonal

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA255783	Rabbit	Human	Immunoprecipitation, Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

PMM2; Polyclonal Antibody; Anti-PMM2 Antibody; Rabbit Polyclonal; phosphomannomutase 2/PMM2/CDG1 Antibody; Rabbit PAb; Antigen Affinity Purified; phosphomannomutase 2; Anti-CDG1 Antibody; Anti-CDG1a Antibody; Anti-CDGS Antibody; Anti-PMI Antibody; Anti-PMI1 Antibody; anti-PMM2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human phosphomannomutase 2/PMM2/CDG1
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-PMM2 antibody	IP (Immunoprecipitation), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Immunogen	Recombinant Human phosphomannomutase 2/PMM2/CDG1 protein
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with purified, recombinant Human phosphomannomutase 2/PMM2/CDG1 (rh phosphomannomutase 2/PMM2/CDG1). phosphomannomutase 2/PMM2/CDG1 specific IgG was purified by Human phosphomannomutase 2/PMM2/CDG1 affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.

IMAGES



IP (Immunoprecipitation)

PMM2 was immunoprecipitated using: Lane A: 0.5 mg MCF-7 Whole Cell Lysate 2 uL anti-PMM2 rabbit polyclonal antibody and 15 ul of 50 % Protein G agarose. Primary antibody: Anti-PMM2 rabbit polyclonal antibody, at 1:200 dilution. Secondary antibody: DyLight 800-labeled antibody to rabbit IgG (H+L), at 1:5000 dilution. Developed using the Odyssey technique. Performed under reducing conditions. Predicted band size: 27 kDa. Observed band size: 27 kDa.



WB (Western Blot)

Anti-PMM2 rabbit polyclonal antibody at 1:500 dilution. Lane A: HeLa Whole Cell Lysate. Lane B: K562 Whole Cell Lysate. Lane C: MCF7 Whole Cell Lysate. Lane D: HepG2 Whole Cell Lysate. Lysates/proteins at 30 ug per lane. Secondary: Goat Anti-Rabbit IgG H&L (DyLight800) at 1/10000 dilution. Developed using the Odyssey technique. Performed under reducing conditions. Predicted band size: 28 kDa. Observed band size: 28 kDa. (We are unsure as to the identity of these extra bands.)



IHC (Immunohistochemistry)

Immunochemical staining of human PMM2 in human breast carcinoma with rabbit polyclonal antibody (1:5000, formalin-fixed paraffin embedded sections).

ADDITIONAL INFORMATION

Related Product Information for anti-PMM2 antibody	Phosphomannomutase 2, also known as PMM2 and CDG1, belongs to the eukaryotic PMM family. Phosphomannomutase 2 catalyzes the isomerization of mannose 6-phosphate to mannose 1-phosphate. Mannose 1-phosphate is a precursor to GDP-mannose necessary for the synthesis of dolichol-P-oligosaccharides. GDP-mannose can transfer its small sugar molecule called mannose to the growing oligosaccharide chain. Once the correct number of small sugar molecules are linked together to form the oligosaccharide, it can be attached to a protein. Phosphomannomutase 2 is also required for a number of critical mannosyl transfer reactions. Mutations in PMM2 gene have been shown to cause defects in the protein glycosylation pathway manifest as carbohydrate-deficient glycoprotein syndrome type I.
References	Jaeken J. et al., 2002, Annual review of genomics and human genetics. 2: 129-51. Matthijs G. et al., 2000, Mol Genet Metab. 68 (2): 220-6. Matthijs G. et al., 1997, Nat Genet. 16 (1): 88-92.

NCBI AND UNIPROT INFORMATION

NCBI GI #	3024413
NCBI GeneID	5373
UniProt Accession #	O15305; A8K672; B7Z6R0; D3DUF3
Molecular Weight	246
NCBI Official Full Name	Phosphomannomutase 2
NCBI Official Synonym Full Names	phosphomannomutase 2
NCBI Official Symbol	PMM2
NCBI Official Synonym Symbols	PMI; CDG1; CDGS; PMI1; CDG1a; PMM 2
NCBI Protein Information	phosphomannomutase 2; phosphomannose isomerase 1
UniProt Protein Name	Phosphomannomutase 2
UniProt Gene Name	PMM2
UniProt Synonym Gene Names	PMM 2
UniProt Entry Name	PMM2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/pmm2-antibody-immunoprecipitation-immunohistochemistry-western-blot-elisa/255783>