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PMM1 Antibody (C-term) Blocking peptide

Synthetic peptide
Catalog # BP11842b

Specification

PMM1 Antibody (C-term) Blocking peptide - Product Information

Primary Accession Q92871

PMM1 Antibody (C-term) Blocking peptide - Additional Information

Gene ID 5372

Other Names
Phosphomannomutase 1, PMM 1, PMMH-22, PMM1, PMMH22

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

PMM1 Antibody (C-term) Blocking peptide - Protein Information

Name PMM1

Synonyms PMMH22

Function
Involved in the synthesis of the GDP-mannose and dolichol- phosphate-mannose required for a number of critical mannosyl transfer reactions. In addition, may be responsible for the degradation of glucose-1,6-bisphosphate in ischemic brain.

Cellular Location
Cytoplasm {ECO:0000250|UniProtKB:O35621}.

Tissue Location
Strong expression in liver, heart, brain, and pancreas; lower expression in skeletal muscle

PMM1 Antibody (C-term) Blocking peptide - Protocols

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

- Blocking Peptides

PMM1 Antibody (C-term) Blocking peptide - Images

PMM1 Antibody (C-term) Blocking peptide - Background

The protein encoded by this gene is a sperm protein, whichinteracts with A-kinase anchoring protein, AKAP3, through theamphipathic helix region of AKAP3. Type II regulatory subunit ofcAMP-dependent protein kinase (PKARII) also binds to this helixdomain of AKAP3, which allows PKARII to be targeted to specificsubcellular compartments. It is suggested that sperm containsseveral proteins that bind to AKAPs in a manner similar to PKARII,and this encoded protein may be one of them.

PMM1 Antibody (C-term) Blocking peptide - References

Carr, D.W., et al. J. Biol. Chem. 276(20):17332-17338(2001)