

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, which interacts with A-kinase anchoring protein, AKAP3, through the amphipathic helix region of AKAP3. Type II regulatory subunit of cAMP-dependent protein kinase (PKARII) also binds to this helix domain of AKAP3, which allows PKARII to be targeted to specific subcellular compartments. It is suggested that sperm contains several 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)