

MPI Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP17091a**Specification**

MPI Antibody (N-term) Blocking Peptide - Product Information

Primary Accession [P34949](#)

MPI Antibody (N-term) Blocking Peptide - Additional Information

Gene ID 4351

Other Names

Mannose-6-phosphate isomerase, Phosphohexomutase, Phosphomannose isomerase, PMI, MPI, PMI1

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.

MPI Antibody (N-term) Blocking Peptide - Protein Information

Name MPI ([HGNC:7216](#))

Synonyms PMI1

Function

Isomerase that catalyzes the interconversion of fructose-6-P and mannose-6-P and has a critical role in the supply of D-mannose derivatives required for many eukaryotic glycosylation reactions.

Cellular Location

Cytoplasm {ECO:0000250|UniProtKB:Q924M7}.

Tissue Location

Expressed in all tissues, but more abundant in heart, brain and skeletal muscle.

MPI Antibody (N-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

MPI Antibody (N-term) Blocking Peptide - Images

MPI Antibody (N-term) Blocking Peptide - Background

Phosphomannose isomerase catalyzes the interconversion of fructose-6-phosphate and mannose-6-phosphate and plays a critical role in maintaining the supply of D-mannose derivatives, which are required for most glycosylation reactions. Mutations in the MPI gene were found in patients with carbohydrate-deficient glycoprotein syndrome, type Ib.

MPI Antibody (N-term) Blocking Peptide - References

Johnatty, S.E., et al. PLoS Genet. 6 (7), E1001016 (2010) ; Lamesch, P., et al. Genomics 89(3):307-315(2007) ; Xiao, J., et al. J. Mol. Graph. Model. 25(3):289-295(2006) ; Vuillaumier-Barrot, S., et al. J. Med. Genet. 39(11):849-851(2002) ; Schollen, E., et al. Eur. J. Hum. Genet. 10(10):643-648(2002)