

Mouse anti-Human, Rat MPI (Mannose Phosphate Isomerase) Monoclonal Antibody | anti-MPI antibody

MPI (Mannose Phosphate Isomerase) Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA111318	Mouse	Human, Rat	Immunocytochemistry, Western Blot

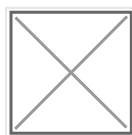
PRODUCT SYNONYMS

MPI (Mannose Phosphate Isomerase); Monoclonal Antibody; MPI (Mannose Phosphate Isomerase) Antibody; Phosphohexomutase; Phosphomannose isomerase; anti-MPI antibody

PRODUCT SPECIFICATIONS

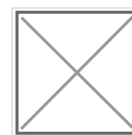
Host	Mouse
Reactivity	Human, Rat
Clonality	Monoclonal
Isotype	IgG1
Specificity	This antibody detects endogenous levels of MPI and does not cross-react with related proteins.
Purity/Purification	Affinity purified
Form/Format	Purified mouse monoclonal in buffer containing 0.1M Tris-Glycine (pH 7.4, 150 mM NaCl) with 0.2% sodium azide, 50% glycerol
Sequence Length	373
Applicable Applications for anti-MPI antibody	ICC (Immunocytochemistry), WB (Western Blot)
Immunogen	Purified recombinant human MPI protein fragments expressed in E Coli.
Cellular Localization	Cytoplasm

IMAGES



Application Data

Western blot detection of MPI in Rat kidney, Rat brain, A549&LNCAP cell lysates and using MPI antibody (1:1000 diluted). Predicted band size: 54KDa Observed band size: 45KDa.



Application Data

Immunocytochemistry stain of Hela using MPI antibody (1:300).

ADDITIONAL INFORMATION

Related Product Information for anti-MPI antibody	UniPort Summary Function: Involved in the synthesis of the GDP-mannose and dolichol-phosphate-mannose required for a number of critical mannosyl transfer reactions. Entrez Summary: 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.
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Product Categories/Family for anti-MPI antibody	Autophagy antibody; Cancer; Cardiovascular; Cell Biology; Epigenetics & Nuclear Signaling; Developmental Biologys; Immunology; Drug Discovery Products; Metabolism; Neuroscience; Signal Transduction; Stem Cells
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NCBI AND UNIPROT INFORMATION

NCBI GI #	574584838
NCBI GeneID	4351
NCBI Accession #	NP_001276085.1
NCBI GenBank Nucleotide #	NM_002435.1
UniProt Accession #	P34949; Q96AB0; A8K8K9
Molecular Weight	54kDa
NCBI Official Full Name	mannose-6-phosphate isomerase isoform 3
NCBI Official Synonym Full Names	mannose phosphate isomerase
NCBI Official Symbol	MPI
NCBI Official Synonym Symbols	PMI; PMI1; CDG1B
NCBI Protein Information	mannose-6-phosphate isomerase
UniProt Protein Name	Mannose-6-phosphate isomerase
UniProt Gene Name	MPI
UniProt Synonym Gene Names	PMI1; PMI

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/monoclonal/mpi-mannose-phosphate-isomerase-antibody-immunocytochemistry-western-blot-elisa/111318>