

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

Mannose Phosphate Isomerase Mouse mAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA320310	Mouse	Human, Rat	Immunocytochemistry, Western Blot

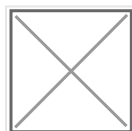
PRODUCT SYNONYMS

Mannose Phosphate Isomerase; Monoclonal Antibody; Mannose Phosphate Isomerase Mouse mAb; PMI1; CDG1B; FLJ39201; Mannose 6 phosphate isomerase; Mannose-6-phosphate isomerase; MANNOSEPHOSPHATE ISOMERASE; MGC94106; MPI; MPI_HUMAN; Phosphohexomutase; phosphomannose isomerase 1; Phosphomannose isomerase; PMI; PMI1.; anti-MPI antibody

PRODUCT SPECIFICATIONS

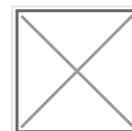
Host	Mouse
Reactivity	Human, Rat
Clonality	Monoclonal
Specificity	This antibody detects endogenous levels of Mannose Phosphate Isomerase and does not cross-react with related proteins.
Purity/Purification	The antibody was affinity-purified from mouse ascites by affinity-chromatography using epitope-specific immunogen.
Form/Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-MPI antibody	ICC (Immunocytochemistry), WB (Western Blot)
Immunogen	Purified recombinant human Mannose Phosphate Isomerase protein fragments expressed in E coli.
Modification	Unmodified/Total
Preparation and Storage	Store at -20 degree C/1 year

IMAGES



ICC (Immunocytochemistry)

Immunocytochemistry stain of Hela using Mannose Phosphate Isomerase mouse mAb (1:300).



WB (Western Blot)

Western blot detection of Mannose Phosphate Isomerase in Rat kidney.Rat brain.A549 and Lncap cell lysates and using Mannose Phosphate Isomerase mouse mAb (1:1000 diluted).Predicted band size: 54KDa.Observed band size: 45KDa.

ADDITIONAL INFORMATION

Related Product Information for anti-MPI antibody

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. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2014]

NCBI AND UNIPROT INFORMATION

NCBI GI #	7159280
NCBI GeneID	4351
UniProt Accession #	P34949; Q96AB0; A8K8K9
Molecular Weight	46,656 Da
NCBI Official Full Name	mannose phosphate isomerase
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; phosphohexomutase; phosphomannose isomerase 1; mannose-6- phosphate isomerase
UniProt Protein Name	Mannose-6-phosphate isomerase
UniProt Gene Name	MPI
UniProt Synonym Gene Names	PMI1; PMI
UniProt Entry Name	MPI_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/monoclonal/mannose-phosphate-isomerase-antibody-immunocytochemistry-western-blot-elisa/320310>