

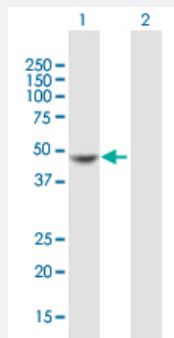
MaxPab®

MPI purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00004351-B01P

Size 50 ug

Applications



Western Blot (Transfected lysate)

Western Blot analysis of MPI expression in transfected 293T cell line ([H00004351-T01](#)) by MPI MaxPab polyclonal antibody.

Lane 1: MPI transfected lysate(46.53 KDa).

Lane 2: Non-transfected lysate.

Specification

Product Description	Mouse polyclonal antibody raised against a full-length human MPI protein.
Immunogen	MPI (NP_002426.1, 1 a.a. ~ 423 a.a) full-length human protein.
Sequence	MAAPRVFPLSCAVQQYAWGKMGSNSEVARLLASSDPLAQIAEDKPYAELWMGTHPRGDAKILD NRISQKTL SQWIAENQDSLGSVKD TFNGNLPFLFKVLSVETPLSIQAH PNKELAEKLHLQAPQHY PDANHKPEMAIALTPFQGLCGFRPVEEIVTFLKKVPEFQFLIGDEAATHLKQTMSHDSQAVASSL QSCFSLMKSEKKVVVEQLNLLVKRISQQAAAAGNNMEDIFGELLQLHQYYPGDIGCFAYFLNLLT LKPGEAMFLEANVPHAYLKGDCVECMACSDNTVRAGLTPKFIDVPTLCEMLSYPSSSKDRLFL PTRSQEDPYLSMDPPVPDFTIMKTEVPGSVTEYKVLALDSASILLMVQGTVIASPTTQTPIPLQRG GVLFIGANESVSLKLTEPKDLLIFRACLL
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (85); Rat (86)
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4

Storage Instruction

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

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[Protocol Download](#)

Gene Info — MPI

Entrez GeneID [4351](#)

GeneBank Accession# [NM_002435.1](#)

Protein Accession# [NP_002426.1](#)

Gene Name MPI

Gene Alias FLJ39201, PMI, PMI1

Gene Description mannose phosphate isomerase

Omim ID [154550 602579](#)

Gene Ontology [Hyperlink](#)

Gene 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. [provided by RefSeq]

Other Designations Mannosephosphate isomerase (phosphomannose isomerase 1)|mannose-6- phosphate isomerase

Pathway

- [Amino sugar and nucleotide sugar metabolism](#)
- [Fructose and mannose metabolism](#)

- [Metabolic pathways](#)

Disease

- [Genetic Predisposition to Disease](#)
- [Ovarian Neoplasms](#)