

DNAxPAb

Hard-to-Find  
Antibody

# MPI DNAxPab

Catalog # H00004351-W01P

Size 200 ug

## Specification

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Description     | Rabbit polyclonal antibody raised against a full-length human MPI DNA using DNAx™ Immune technology.                                                                                                                                                                                                                                                                                                                                                        |
| Technology              | <a href="#">DNAx™ Immune</a>                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Immunogen               | Full-length human DNA                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Sequence                | MAAPRVFPLSCAVQQYAWGKMGSNSEVARLLASSDPLAQIAEDKPYAELWMGTHPRGDAKILD<br>NRISQKTL SQWIAENQDSLGSVKD TFNGNLPFLFKVLSVETPLSIQAHPNKELAEKLHLQAPQHY<br>PDANHKPEMAIALTPFQGLCGFRPVEEIVTFLKKVPEFQFLIGDEAATHLKQTMSHDSQAVASSL<br>QSCFSHLMKSEKKVVVEQLNLLVKRISQQAAAGNNMEDIFGELLLQLHQQYPGDIGCFAYFLNLLT<br>LKPGEAMFLEANVPHAYLKGDCECMACSDNTVRAGLTPKFIDVPTLCEMLSYPSSSKDRLFL<br>PTRSQEDPYLSMDPPVPDFTIMKTEVPGSVTEYKVLALDSASILLMVQGTVIASPTTQTPIPLQRG<br>GVLFIGANESVSLKLTEPKDLLIFRACCLL |
| Host                    | Rabbit                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Reactivity              | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Purification            | Protein A                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| 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.                                                                                                                                                                                                                                                                                                                                                                                    |

## Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- Immunofluorescence (Transfected cell)

- Flow Cytometry (Transfected cell)

## Gene Info — MPI

|                     |                                                                                                                                                                                                                                                                                                                                                                             |
|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Entrez GeneID       | <a href="#">4351</a>                                                                                                                                                                                                                                                                                                                                                        |
| GeneBank Accession# | <a href="#">NM_002435.1</a>                                                                                                                                                                                                                                                                                                                                                 |
| Protein Accession#  | <a href="#">NP_002426.1</a>                                                                                                                                                                                                                                                                                                                                                 |
| Gene Name           | MPI                                                                                                                                                                                                                                                                                                                                                                         |
| Gene Alias          | FLJ39201, PMI, PMI1                                                                                                                                                                                                                                                                                                                                                         |
| Gene Description    | mannose phosphate isomerase                                                                                                                                                                                                                                                                                                                                                 |
| Omim ID             | <a href="#">154550 602579</a>                                                                                                                                                                                                                                                                                                                                               |
| Gene Ontology       | <a href="#">Hyperlink</a>                                                                                                                                                                                                                                                                                                                                                   |
| 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](#)