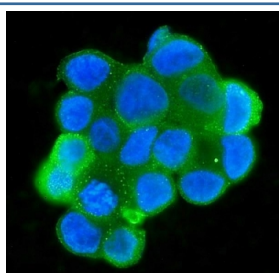


## MPI Antibody / Mannose-6 phosphate isomerase [clone 11I4] (RQ5624)

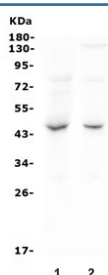
Catalog No.	Formulation	Size
RQ5624	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

**Bulk quote request**

<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human
<b>Format</b>	Antigen affinity purified
<b>Clonality</b>	Monoclonal (mouse origin)
<b>Isotype</b>	Mouse IgG1
<b>Clone Name</b>	11I4
<b>Purity</b>	Affinity purified
<b>Buffer</b>	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
<b>UniProt</b>	P34949
<b>Applications</b>	Western Blot : 0.5-1ug/ml Immunofluorescence : 5ug/ml
<b>Limitations</b>	This MPI antibody is available for research use only.



Immunofluorescent staining of FFPE human MCF7 cells with MPI antibody (green) and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.



Western blot testing of human 1) Caco-2 and 2) HeLa lysate with MPI antibody. Predicted molecular weight ~47 kDa.

## Description

Mannose-6 phosphate isomerase (MPI), alternately phosphomannose isomerase (PMI), is an enzyme which facilitates the interconversion of fructose 6-phosphate (F6P) and mannose-6-phosphate (M6P). It also 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. This MPI gene is mapped to 15q24.1.

## Application Notes

Optimal dilution of the MPI antibody should be determined by the researcher.

## Immunogen

A human recombinant protein (amino acids A2-K99) was used as the immunogen for the MPI antibody.

## Storage

After reconstitution, the MPI antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.