

Anti-Mannose Phosphate Isomerase Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

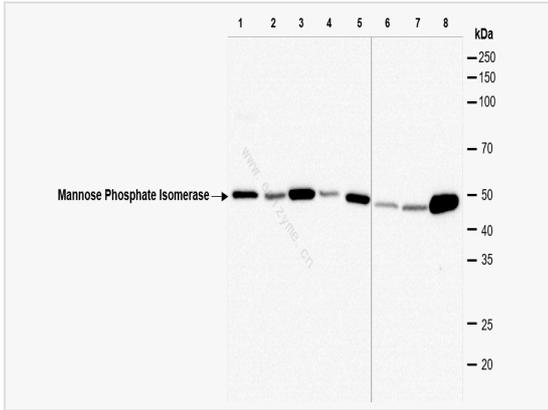
Catalog # R013812

Product Information

Application	ELISA, IHC-P/IF (Tissue-P), WB
Reactivity	Human, Rat, Mouse
Dilution	WB 1:1,000~1:2,000; IHC-P 1:200; IF 1:100~1:200
Host	Rabbit
Clonality	Monoclonal
Clone No.	19M22D20
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human Mannose Phosphate Isomerase
Format	Affinity purified monoclonal antibody supplied in PBS with 0.01% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-Mannose Phosphate Isomerase Rabbit mAb [19M22D20] is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Synonyms	PMI, PMI1, CDG1B, FLJ39201, Mannose-6-phosphate isomerase, MANNOSEPHOSPHATE ISOMERASE, MGC94106, MPI, Phosphohexomutase, phosphomannose isomerase 1, Phosphomannose isomerase.
Calculated MW	Calculated MW: 47 kDa; Observed MW: 47 kDa
Uniprot ID	P34949
Gene ID	4351
Background	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]



Western Blot - Anti-Mannose Phosphate Isomerase Rabbit mAb [19M22D20]

All lanes: R013812 at 1:1,000 dilution

Lane 1: A549 (human non-small cell lung cancer epithelial cell) whole cell lysates

Lane 2: Jurkat (human T lymphocytic leukemia cell) whole cell lysates

Lane 3: HCT116 (human colorectal carcinoma epithelial cell) whole cell lysates

Lane 4: RAW264.7 (mouse mononuclear macrophage leukemia epithelial cell)

Lane 5: SW620 (human colorectal carcinoma epithelial cell) whole cell lysates

Lane 6: Rat stomach whole tissue lysates

Lane 7: Balb/c mouse kidney whole tissue lysates

Lane 8: Balb/c mouse brain whole tissue lysates

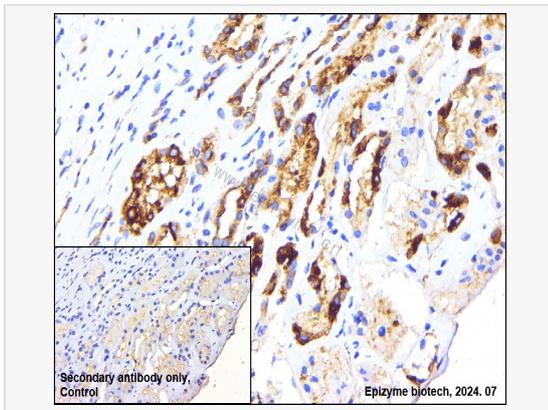
Lysates/proteins at 10 µg per lane.

Secondary antibody: Goat Anti-Rabbit IgG(H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution

Predicted band size: 47 kDa

Observed band size: 47 kDa

Developed using the ECL technique (Cat. No. SQ201).



Immunohistochemistry - Anti-Mannose Phosphate Isomerase Rabbit mAb [19M22D20]

Sample: Paraformaldehyde-fixed, paraffin embedded human renal carcinoma tissue

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.

Primary antibody: R013812 at 1:200 dilution

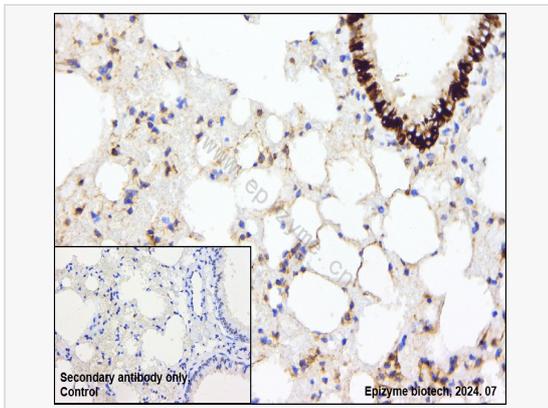
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution

DAB was used as the chromogen.

Counter stained with hematoxylin.

Positive/negative staining were presented.

Only the secondary antibody was used as the negative control.



Immunohistochemistry - Anti-Mannose Phosphate Isomerase Rabbit mAb [19M22D20]

Sample: Paraformaldehyde-fixed, paraffin embedded mouse lung tissue

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.

Primary antibody: R013812 at 1:200 dilution

Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution

DAB was used as the chromogen.

Counter stained with hematoxylin.

Positive/negative staining were presented.

Only the secondary antibody was used as the negative control.