

Product Name: M6PR Mouse Monoclonal Antibody
Catalog #: AMM82930



Summary

Production Name	M6PR Mouse Monoclonal Antibody
Description	Mouse Monoclonal Antibody
Host	Mouse
Application	IHC, ICC, FC, ELISA
Reactivity	Human

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1
Clonality	Monoclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Purified antibody in PBS with 0.05% sodium azide
Purification	Affinity Purification

Immunogen

Gene Name	M6PR
Alternative Names	SMPR; MPR46; CD-MPR; MPR 46; MPR-46; CD-M6PR
Gene ID	4074.0
SwissProt ID	P20645. Purified recombinant fragment of human M6PR (AA: 27-277) expressed in E. Coli.

Application

Dilution Ratio	IHC:1:200-1:1000, ICC:1:50-1:200, FC:1:200-1:400, ELISA:1:10000
Molecular Weight	31kDa

Background

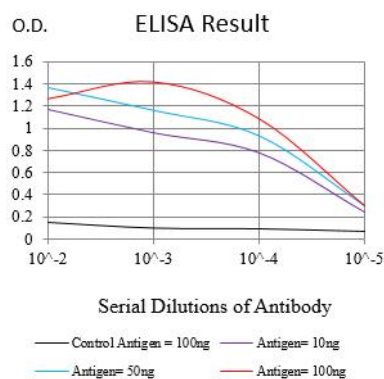
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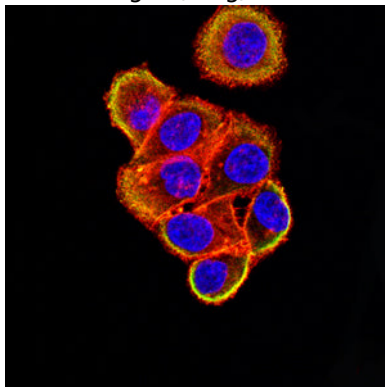
This gene encodes a member of the P-type lectin family. P-type lectins play a critical role in lysosome function through the specific transport of mannose-6-phosphate-containing acid hydrolases from the Golgi complex to lysosomes. The encoded protein functions as a homodimer and requires divalent cations for ligand binding. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. A pseudogene of this gene is located on the long arm of chromosome X.

Research Area

Image Data

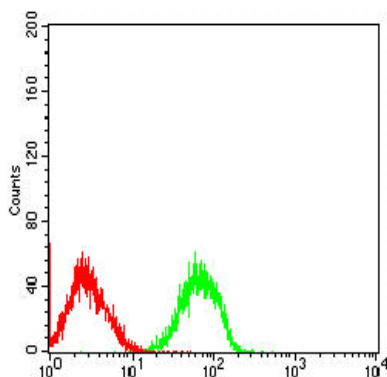


Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)

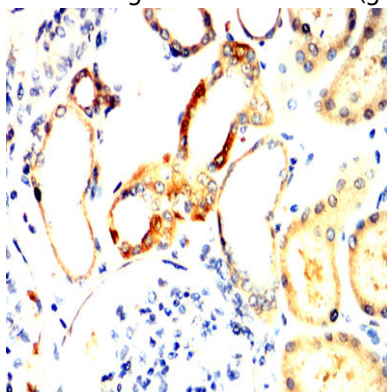


Immunofluorescence analysis of HeLa cells using M6PR mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor- 555 phalloidin. Secondary antibody from Fisher (Cat#: 35503)

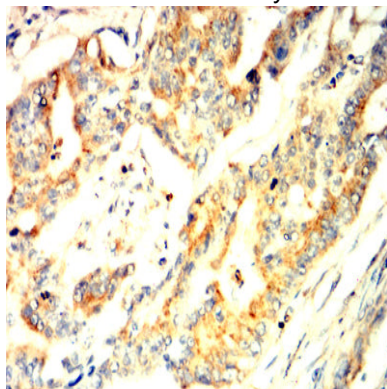
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Flow cytometric analysis of Jurkat cells using M6PR mouse mAb (green) and negative control (red).



Immunohistochemical analysis of paraffin-embedded human kidney tissues using M6PR mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded human rectum cancer tissues using M6PR mouse mAb with DAB staining.

Note

For research use only.