Product Name: **M6PR Mouse Monoclonal Antibody**
Catalog #: **AMM82760**
For research use only.

Summary

Description	Mouse monoclonal Antibody
Host	Mouse
Application	WB,IHC,ELISA,FC
Reactivity	Human, Mouse
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG2b
Clonality	Monoclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Purified antibody in PBS with 0.05% sodium azide
Purification	Affinity Purification

Application

Dilution Ratio	WB 1:500-1:2000,IHC 1:200-1:1000,ELISA 1:5000-1:20000,FC 1:200-1:400
Molecular Weight	30.9kDa

Antigen Information

Gene Name	M6PR
Alternative Names	SMPR; MPR46; CD-MPR; MPR 46; MPR-46; CD-M6PR
Gene ID	4074.0
SwissProt ID	P20645
Immunogen	Purified recombinant fragment of human M6PR (AA: 124-277) expressed in E. Coli.

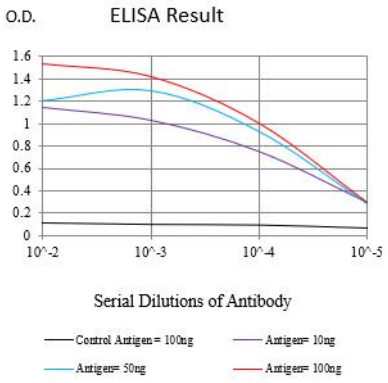
Background

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

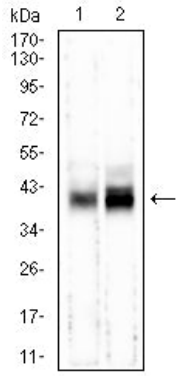
encoding multiple isoforms have been observed for this gene. A pseudogene of this gene is located on the long arm of chromosome X.

Research Area

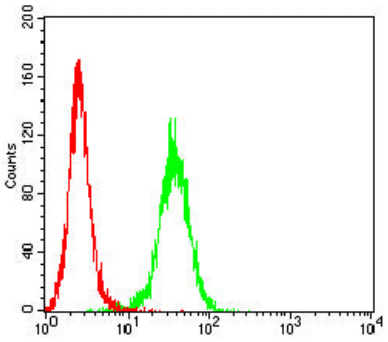
Image Data



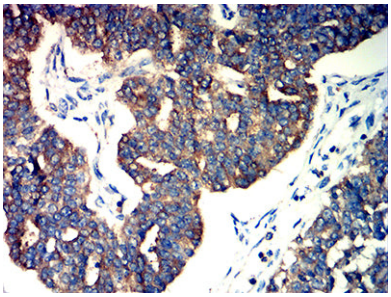
Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)



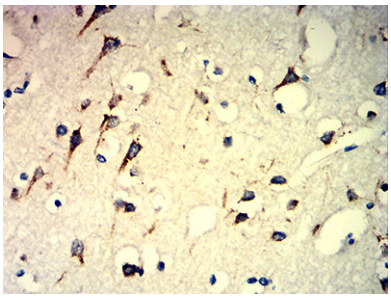
Western blot analysis using M6PR mouse mAb against mouse brain (1) and HepG2 (2) cell lysate.



Flow cytometric analysis of THP-1 cells using M6PR mouse mAb (green) and negative control (red).



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



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