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Anti-M6PR Antibody

Catalog # AP95933

Product Information

Application	WB, IHC, FC
Primary Accession	P20645
Reactivity	Human, Mouse
Host	Mouse
Clonality	Monoclonal
Calculated MW	30993

Additional Information

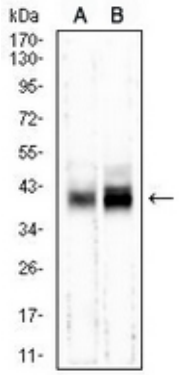
Gene ID	4074
Other Names	MPR46; MPRD; Cation-dependent mannose-6-phosphate receptor; CD Man-6-P receptor; CD-MPR; 46 kDa mannose 6-phosphate receptor; MPR 46
Target/Specificity	Recombinant fusion protein of human M6PR expressed in E. Coli
Dilution	WB~~WB (1/500 - 1/1000) IHC~~1:100~500 FC~~FC (1/100 - 1/200)
Format	Mouse IgG2b. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

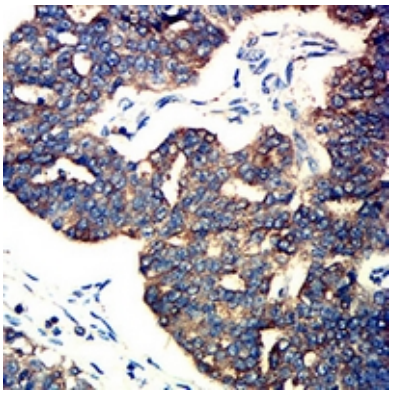
Name	M6PR
Synonyms	MPR46, MPRD
Function	Transport of phosphorylated lysosomal enzymes from the Golgi complex and the cell surface to lysosomes. Lysosomal enzymes bearing phosphomannosyl residues bind specifically to mannose-6-phosphate receptors in the Golgi apparatus and the resulting receptor-ligand complex is transported to an acidic prelyosomal compartment where the low pH mediates the dissociation of the complex.
Cellular Location	Lysosome membrane; Single-pass type I membrane protein

Images

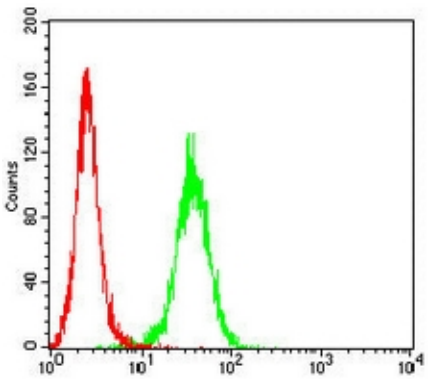
Western blot analysis of M6PR expression in mouse brain



(A), HepG2 (B) whole cell lysates. (Predicted band size: 31 kD; Observed band size: 39 kD)



Immunohistochemical analysis of M6PR staining in human ovarian cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Flow cytometric analysis of THP1 cells using Anti-M6PR Antibody (green) and negative control (red).