

M6PR/IGF2R Antibody
Rabbit mAb
Catalog # AP90519

Specification

M6PR/IGF2R Antibody - Product Information

Application	WB, IHC, FC, ICC, IP
Primary Accession	P11717
Reactivity	Rat
Clonality	Monoclonal
Other Names	
IGF2R; CI Man-6-P receptor; CI-MPR; M6PR; MPR 300; Insulin-like growth factor 2 receptor; M6P/IGF2R; CD222;	
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	274375 Da

M6PR/IGF2R Antibody - Additional Information

Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human M6PR/IGF2R
Description	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 prelysosomal compartment where the low pH mediates the dissociation of the complex. This receptor also binds IGF2. Acts as a positive regulator of T-cell coactivation, by binding DPP4.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

M6PR/IGF2R Antibody - Protein Information

Name IGF2R
Synonyms MPRI
Function

Mediates the transport of phosphorylated lysosomal enzymes from the Golgi complex and the cell surface to lysosomes (PubMed:18817523, PubMed:2963003). 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 prelysosomal compartment where the low pH mediates the dissociation of the complex (PubMed:18817523, PubMed:2963003). The receptor is then recycled back to the Golgi for another round of trafficking through its binding to the retromer (PubMed:18817523). This receptor also binds IGF2 (PubMed:18046459). Acts as a positive regulator of T-cell coactivation by binding DPP4 (PubMed:10900005).

Cellular Location

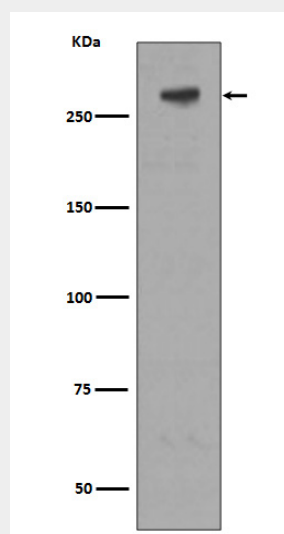
Golgi apparatus membrane; Single-pass type I membrane protein. Endosome membrane; Single-pass type I membrane protein. Note=Mainly localized in the Golgi at steady state and not detectable in lysosome (PubMed:18817523) Colocalized with DPP4 in internalized cytoplasmic vesicles adjacent to the cell surface (PubMed:10900005).

M6PR/IGF2R Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

M6PR/IGF2R Antibody - Images



Western blot analysis of extracts of M6PR expression in Jurkat cell lysate.