

Anti-M6PR IGF2R Rabbit Monoclonal Antibody Catalog # ABO13381

Specification

Anti-M6PR IGF2R Rabbit Monoclonal Antibody - Product Information

Application	WB, IHC, IF, ICC, IP, FC
Primary Accession	P11717
Host	Rabbit
Isotype	Rabbit IgG
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Format	Liquid

Description

Anti-M6PR IGF2R Rabbit Monoclonal Antibody . Tested in WB, IHC, ICC/IF, IP, Flow Cytometry applications. This antibody reacts with Human, Mouse, Rat.

Anti-M6PR IGF2R Rabbit Monoclonal Antibody - Additional Information

Gene ID 3482

Other Names

Cation-independent mannose-6-phosphate receptor, CI Man-6-P receptor, CI-MPR, M6PR, 300 kDa mannose 6-phosphate receptor, MPR 300, Insulin-like growth factor 2 receptor, Insulin-like growth factor II receptor, IGF-II receptor, M6P/IGF2 receptor, M6P/IGF2R, CD222, IGF2R, MPRI

Calculated MW

274375 MW KDa

Application Details

WB 1:5000-1:20000
IHC 1:50-1:200
ICC/IF 1:50-1:200
IP 1:30
FC 1:100

Subcellular Localization

Lysosome membrane ; Single-pass type I membrane protein. Colocalized with DPP4 in internalized cytoplasmic vesicles adjacent to the cell surface.

Contents

Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.

Immunogen

A synthesized peptide derived from human M6PR

Purification

Affinity-chromatography

Storage

Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.

Anti-M6PR IGF2R Rabbit Monoclonal 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](http://www.uniprot.org/citations/18817523), PubMed: [2963003](http://www.uniprot.org/citations/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](http://www.uniprot.org/citations/18817523), PubMed: [2963003](http://www.uniprot.org/citations/2963003)). The receptor is then recycled back to the Golgi for another round of trafficking through its binding to the retromer (PubMed: [18817523](http://www.uniprot.org/citations/18817523)). This receptor also binds IGF2 (PubMed: [18046459](http://www.uniprot.org/citations/18046459)). Acts as a positive regulator of T-cell coactivation by binding DPP4 (PubMed: [10900005](http://www.uniprot.org/citations/10900005)).

Cellular Location

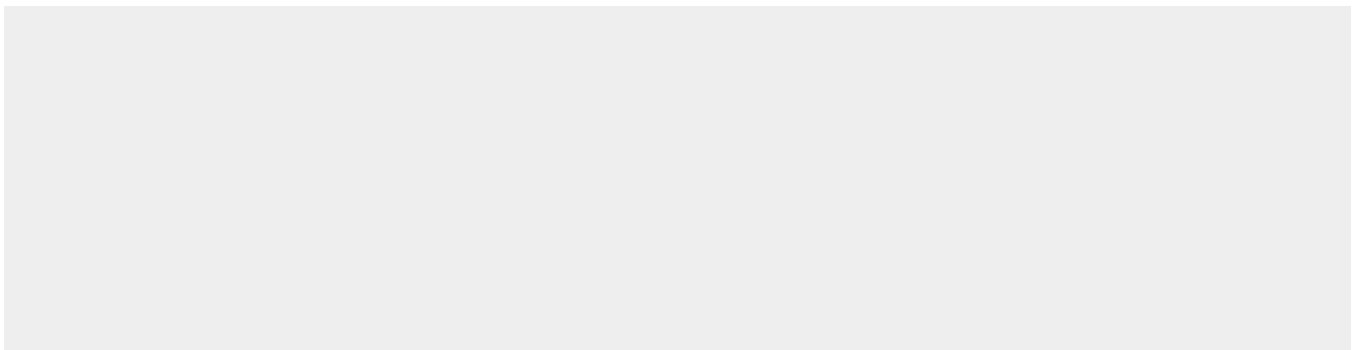
Golgi apparatus membrane; Single-pass type I membrane protein. Endosome membrane; Single-pass type I membrane protein. Note=Mainly localized in the Golgi at steady state and not detectable in lysosome (PubMed:18817523) Colocalized with DPP4 in internalized cytoplasmic vesicles adjacent to the cell surface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

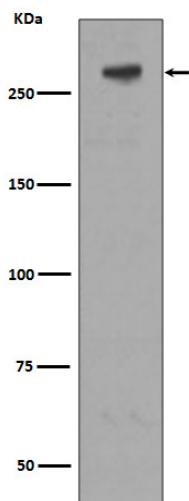
Anti-M6PR IGF2R Rabbit Monoclonal Antibody - Protocols

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

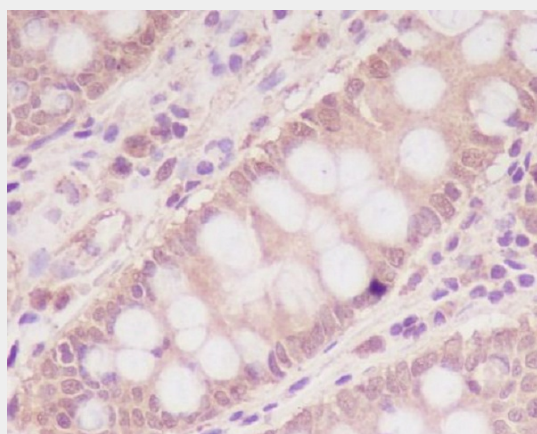
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-M6PR IGF2R Rabbit Monoclonal Antibody - Images





Western blot analysis of extracts of M6PR/IGF2R expression in Jurkat cell lysate.



Immunohistochemical analysis of paraffin-embedded human colon, using M6PR/IGF2R Antibody.