

Product Name: M6PR/IGF2R (11G10) Rabbit Monoclonal Antibody
Catalog #: AMRe13539

Summary

Production Name	M6PR/IGF2R (11G10) Rabbit Monoclonal Antibody
Description	Rabbit Monoclonal Antibody
Host	Rabbit
Application	WB
Reactivity	Human,Mouse,Rat

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Monoclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% New type preservative N and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.
Purification	Affinity purification

Immunogen

Gene Name	IGF2R
Alternative Names	IGF2R; CI Man-6-P receptor; CI-MPR; M6PR; MPR 300; Insulin-like growth factor 2 receptor; M6P/IGF2R; CD222;
Gene ID	3482.0
SwissProt ID	P11717.

Application

Dilution Ratio	WB 1:5000-1:20000
Molecular Weight	274kDa

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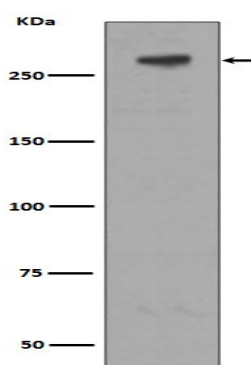


Background

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. Mediates the transport of phosphorylated lysosomal enzymes from the Golgi complex and the cell surface to lysosomes (PubMed: [2963003](http://www.uniprot.org/citations/2963003), PubMed: [18817523](http://www.uniprot.org/citations/18817523)). 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: [2963003](http://www.uniprot.org/citations/2963003), PubMed: [18817523](http://www.uniprot.org/citations/18817523)). 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)).

Research Area

Image Data



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

Note

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