

IGF2R / CD222 Antibody (aa2441-2490)
Rabbit Polyclonal Antibody
Catalog # ALS14189**Specification****IGF2R / CD222 Antibody (aa2441-2490) - Product Information**

Application	IF
Primary Accession	P11717
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	274kDa KDa

IGF2R / CD222 Antibody (aa2441-2490) - 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

Target/Specificity

IGF2R Antibody detects endogenous levels of total IGF2R protein.

Reconstitution & Storage

Short term 4°C, long term aliquot and store at -20°C, avoid freeze thaw cycles.

Precautions

IGF2R / CD222 Antibody (aa2441-2490) is for research use only and not for use in diagnostic or therapeutic procedures.

IGF2R / CD222 Antibody (aa2441-2490) - 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: [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). 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).

Volume

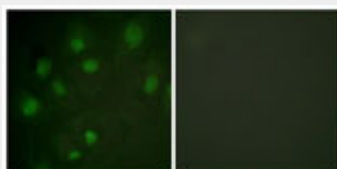
50 µl

IGF2R / CD222 Antibody (aa2441-2490) - 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](#)

IGF2R / CD222 Antibody (aa2441-2490) - Images



Immunofluorescence of HeLa cells, using IGF2R Antibody.

IGF2R / CD222 Antibody (aa2441-2490) - 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.

IGF2R / CD222 Antibody (aa2441-2490) - References

Morgan D.O.,et al.Nature 329:301-307(1987).
Oshima A.,et al.J. Biol. Chem. 263:2553-2562(1988).
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Killian J.K.,et al.Mamm. Genome 10:74-77(1999).

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