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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: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).

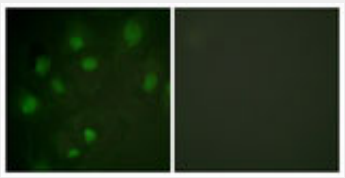
Volume
50 µl

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 Cytomety
- 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 prelyosomal 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

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