

**IGF-IIR Polyclonal Antibody**  
Catalog # AP73452**Specification****IGF-IIR Polyclonal Antibody - Product Information**

Application	<b>WB</b>
Primary Accession	<a href="#">P11717</a>
Reactivity	<b>Human</b>
Host	<b>Rabbit</b>
Clonality	<b>Polyclonal</b>

**IGF-IIR Polyclonal Antibody - Additional Information****Gene ID** 3482**Other Names**

IGF2R; MPRI; 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

**Dilution**

WB~~Western Blot: 1/500 - 1/2000. ELISA: 1/20000. Not yet tested in other applications.

**Format**

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

**Storage Conditions**

-20°C

**IGF-IIR Polyclonal 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))

target="\_blank">18046459</a>). Acts as a positive regulator of T-cell coactivation by binding DPP4 (PubMed:<a href="http://www.uniprot.org/citations/10900005" target="\_blank">10900005</a>).

#### Cellular Location

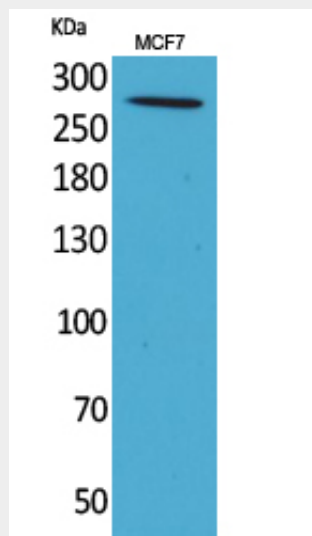
Golgi apparatus membrane; Single-pass type I membrane protein. Endosome membrane; Single-pass type I membrane protein. Note=Mainly localized in the Golgi at steady state and not detectable in lysosome (PubMed:18817523) Colocalized with DPP4 in internalized cytoplasmic vesicles adjacent to the cell surface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

#### IGF-IIR Polyclonal 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](#)

#### IGF-IIR Polyclonal Antibody - Images



#### IGF-IIR Polyclonal Antibody - 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.