

**Product Name: IGF-IIR Rabbit Polyclonal Antibody**  
**Catalog #: APRab12435**



## Summary

<b>Production Name</b>	IGF-IIR Rabbit Polyclonal Antibody
<b>Description</b>	Rabbit Polyclonal Antibody
<b>Host</b>	Rabbit
<b>Application</b>	WB,IF-P,IF-F,ICC/IF,ELISA
<b>Reactivity</b>	Human,Rat,Mouse

## Performance

<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG
<b>Clonality</b>	Polyclonal
<b>Form</b>	Liquid
<b>Storage</b>	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
<b>Buffer</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
<b>Purification</b>	Affinity purification

## Immunogen

<b>Gene Name</b>	IGF2R
<b>Alternative Names</b>	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
<b>Gene ID</b>	3482.0
<b>SwissProt ID</b>	P11717.The antiserum was produced against synthesized peptide derived from the C-terminal region of human IGF2R. AA range:2251-2300

## Application

<b>Dilution Ratio</b>	WB 1:500-1:2000, IHC 1:200-1:1000, ELISA 1:10000, IF-P/IF-F/ICC/IF 1:50-200
<b>Molecular Weight</b>	250kDa

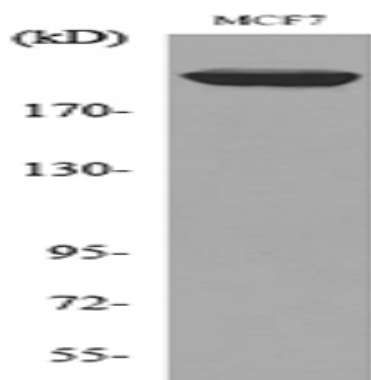
## Background

This gene encodes a receptor for both insulin-like growth factor 2 and mannose 6-phosphate. The binding sites for each ligand are located on different segments of the protein. This receptor has various functions, including in the intracellular trafficking of lysosomal enzymes, the activation of transforming growth factor beta, and the degradation of insulin-like growth factor 2. Mutation or loss of heterozygosity of this gene has been associated with risk of hepatocellular carcinoma. The orthologous mouse gene is imprinted and shows exclusive expression from the maternal allele; however, imprinting of the human gene may be polymorphic, as only a minority of individuals showed biased expression from the maternal allele (PMID:8267611). [provided by RefSeq, Nov 2015], domain: Contains 15 repeating units of approximately 147 AA. The most highly conserved region within the repeat consists of a stretch of 13 AA that contains cysteines at both ends., function: 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., similarity: Belongs to the MRL1/IGF2R family., similarity: Contains 1 fibronectin type-II domain., subunit: Binds GGA1, GGA2 and GGA3.,

## Research Area

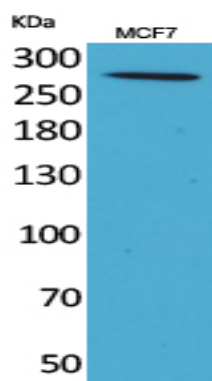
Lysosome;

## Image Data



Western blot analysis of lysate from MCF7 cells, using IGF2R Antibody.

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Western Blot analysis of MCF7 cells using IGF-IIR Polyclonal Antibody.. Secondary antibody was diluted at 1:20000

### **Note**

For research use only.