IGF-IIR Antibody – Polyclonal

PRODUCT OVERVIEW

Product Name	IGF-IIR, Polyclonal Antibody
Full Product Name	IGF-IIR Polyclonal Antibody
Product Gene Name	anti-IGF-IIR antibody
Clonality	Polyclonal
Molecular Weight	274,375 Da
OMIM	147280
3D Structure	ModBase 3D Structure for P11717
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for anti-IGF-IIR antibody	MBS8523270 is an antibody targeting IGF-IIR. Also known as IGF-IIR Polyclonal Antibody.
Other Notes	Small volumes of anti-IGF-IIR antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for IGF-IIR. It may not necessarily be applicable to this product.

NCBI GI #	119964726
NCBI GeneID	3482
NCBI Accession #	NP_000867.2
UniProt Primary Accession #	P11717
UniProt Secondary Accession #	Q7Z7G9; Q96PT5
UniProt Related Accession #	P11717
GenBank Nucleotide #	NM_000876.3
NCBI Official Full Name	cation-independent mannose-6-phosphate receptor
NCBI Official Synonym Full Names	insulin like growth factor 2 receptor
NCBI Official Symbol	IGF2R
NCBI Official Synonym Symbols	MPR1; MPRI; CD222; CIMPR; M6P-R; MPR300; CI-M6PR; MPR 300; M6P/IGF2R
UniProt Protein Name	Cation-independent mannose-6-phosphate receptor
UniProt Synonym Protein Names	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; CD_antigen: CD222
UniProt Gene Name	IGF2R
UniProt Synonym Gene Names	MPRI; CI Man-6-P receptor; CI-MPR; M6PR; MPR 300; IGF-II receptor; M6P/IGF2R
NCBI Protein Information	cation-independent mannose-6-phosphate receptor

NCBI Summary for IGF-IIR	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 association 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]
UniProt Comments for IGF-IIR	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.
Research Articles on IGF-IIR	**1.** IGF2R deletion is associated with motor speech disorders, and language delays.
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