

IGF-IIR rabbit pAb

Cat No.:ES3999

For research use only

Overview

Product Name	IGF-IIR rabbit pAb
Host species	Rabbit
Applications	WB;IF;ELISA
Species Cross-Reactivity	Human;Rat;Mouse;
Recommended dilutions	Western Blot: 1/500 - 1/2000.
	Immunohistochemistry: 1/200 - 1/1000. ELISA:
	1/10000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized
	peptide derived from the C-terminal region of
	human IGF2R. AA range:2251-2300
Specificity	IGF-IIR Polyclonal Antibody detects endogenous
	levels of IGF-IIR protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and
	0.02% sodium azide.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Cation-independent mannose-6-phosphate receptor
Gene Name	IGF2R
Cellular localization	Golgi apparatus membrane ; Single-pass type I
	membrane protein . Endosome membrane ;
	Single-pass type I membrane protein . Mainly
	localized in the Golgi at steady state and not
	detectable in lysosome (PubMed:18817523).
	Colocalized with DPP4 in internalize
Purification	The antibody was affinity-purified from rabbit
	antiserum by affinity-chromatography using
	epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	250kD
Human Gene ID	3482
Human Swiss-Prot Number	P11717
Alternative Names	IGF2R; MPRI; Cation-independent
	mannose-6-phosphate receptor; CI Man-6-P



Background

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 recepto 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],

Western Blot analysis of MCF7 cells using IGF-IIR Polyclonal Antibody. Secondary antibody(catalog#:RS0002) was diluted at 1:20000

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



