



# IGF-IIR (phospho Ser2409) rabbit pAb

Cat No.:ES5852

For research use only

## Overview

<b>Product Name</b>	IGF-IIR (phospho Ser2409) rabbit pAb
<b>Host species</b>	Rabbit
<b>Applications</b>	WB;IHC;IF;ELISA
<b>Species Cross-Reactivity</b>	Human;Mouse;Monkey
<b>Recommended dilutions</b>	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/10000. Not yet tested in other applications.
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human IGF2R around the phosphorylation site of Ser2409. AA range:2381-2430
<b>Specificity</b>	Phospho-IGF-IIR (S2409) Polyclonal Antibody detects endogenous levels of IGF-IIR protein only when phosphorylated at S2409.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Storage</b>	Store at -20°C. Avoid repeated freeze-thaw cycles.
<b>Protein Name</b>	Cation-independent mannose-6-phosphate receptor
<b>Gene Name</b>	IGF2R
<b>Cellular localization</b>	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
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Clonality</b>	Polyclonal
<b>Concentration</b>	1 mg/ml
<b>Observed band</b>	300kD
<b>Human Gene ID</b>	3482
<b>Human Swiss-Prot Number</b>	P11717



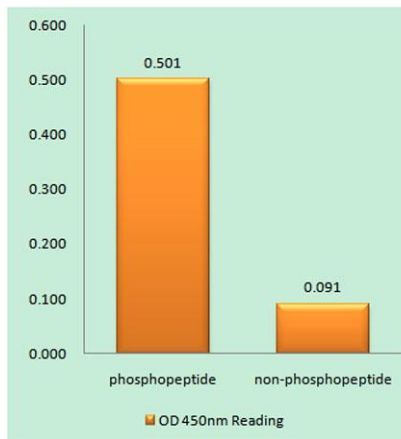


### Alternative Names

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;

### 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],

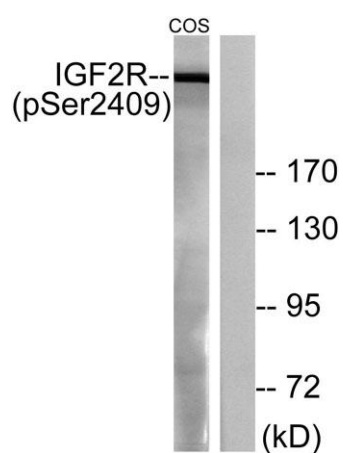
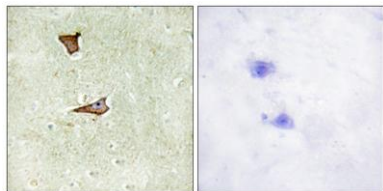


Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right), using IGF2R (Phospho-Ser2409) Antibody





Immunohistochemistry analysis of paraffin-embedded human brain, using IGF2R (Phospho-Ser2409) Antibody. The picture on the right is blocked with the phospho peptide.



Western blot analysis of lysates from COS7 cells treated with UV 15', using IGF2R (Phospho-Ser2409) Antibody. The lane on the right is blocked with the phospho peptide.

