IGF-IIR (Phospho Ser2409) Rabbit pAb

CatalogNo: YP0763 Orthogonal Validated

Key Features

Host Species
- Rabbit

Reactivity
- Human,Mouse,Monkey

Applications
- WB,IHC,IF,ELISA

MW
- 300kD (Observed)

Isotype
- IgG

Storage

Storage*	-15°C to -25°C/1 year(Do not lower than -25°C)
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Recommended Dilution Ratios

WB 1:500-1:2000
IHC 1:100-1:300
ELISA 1:10000
IF 1:50-200

Basic Information

Clonality	Polyclonal

Immunogen Information

Immunogen	The antiserum was produced against synthesized peptide derived from human IGF2R around the phosphorylation site of Ser2409. AA range:2381-2430

Specificity Phospho-IGF-IIR (S2409) Polyclonal Antibody detects endogenous levels of IGF-IIR protein only when phosphorylated at S2409.The name of modified sites may be influenced by many factors, such as species (the modified site was not originally found in human samples) and the change of protein sequence (the previous protein sequence is incomplete, and the protein sequence may be prolonged with the development of protein sequencing technology). When naming, we will use the "numbers" in historical reference to keep the sites consistent with the reports. The antibody binds to the following modification sequence (lowercase letters are modification sites):QDsED

Target Information

Gene name IGF2R MPRI

Protein Name Cation-independent mannose-6-phosphate receptor

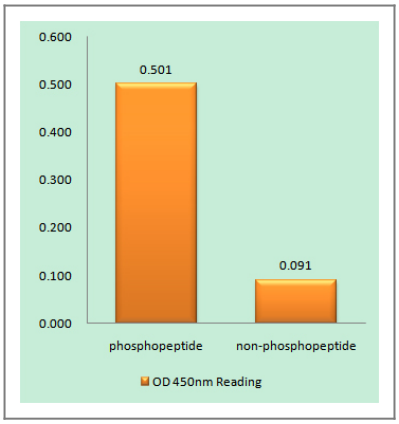
Organism	Gene ID	UniProt ID
Human	3482;	P11717;
Mouse	16004;	Q07113;

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 internalized cytoplasmic vesicles adjacent to the cell surface (PubMed:10900005). .

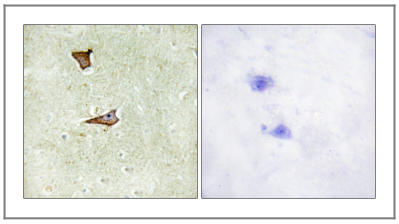
Tissue specificity Brain,Epithelium,Liver,

Function 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 prelyosomal 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.,

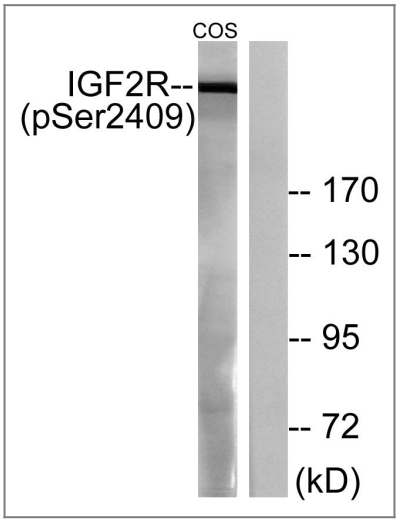
Validation Data



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.

Contact information

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Please scan the QR code to access additional product information: **IGF-IIR (Phospho Ser2409) Rabbit pAb**