IGF2R (Phospho-Ser2409) Antibody

Catalog No: #11708

Package Size: #11708-1 50ul #11708-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

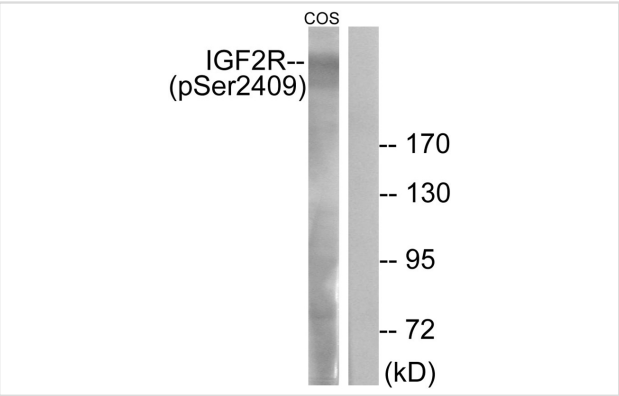
Product Name	IGF2R (Phospho-Ser2409) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatogramphy using non-phosphopeptide.
Applications	WB IHC
Species Reactivity	Hu Ms
Specificity	The antibody detects endogenous levels of IGF2R only when phosphorylated at serine 2409.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around phosphorylation site of Serine 2409(Q-D-S(p)-E-D) derived from Human IGF2R.
Target Name	IGF2R
Modification	Phospho
Other Names	CI-MPR; CI-MPR; MPR300; MPRI;
Accession No.	Swiss-Prot#: P11717; NCBI Gene#: 3482; NCBI Protein#: NP_000867.2.
Uniprot	P11717
GeneID	3482;
SDS-PAGE MW	300kd
Concentration	1.0mg/ml
Formulation	Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C/1 year

Application Details

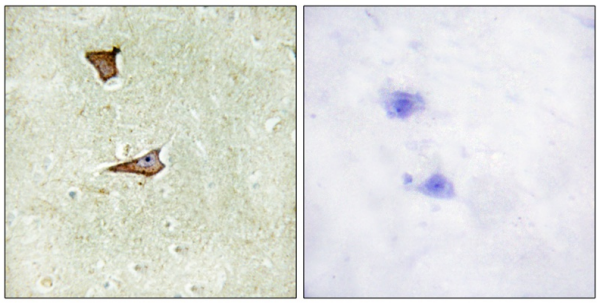
Western blotting: 1:500~1:1000

Immunohistochemistry: 1:50~1:100

Images



Western blot analysis of extracts from COS-7 cells treated with UV using IGF2R (Phospho-Ser2409) Antibody #11708.The lane on the right is treated with the antigen-specific peptide.



Immunohistochemical analysis of paraffin-embedded human brain tissue using IGF2R (Phospho-Ser2409) antibody #11708 (left)or the same antibody preincubated with blocking peptide (right).

Background

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.

Morgan D.O., Nature 329:301-307(1987).
Oshima A., J. Biol. Chem. 263:2553-2562(1988).
Killian J.K., Mamm. Genome 10:74-77(1999)

Note: This product is for in vitro research use only