

## IGF2R (Phospho-Ser2409) Antibody

Catalog No: #11708



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

Orders: order@signalwayantibody.com

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## Description

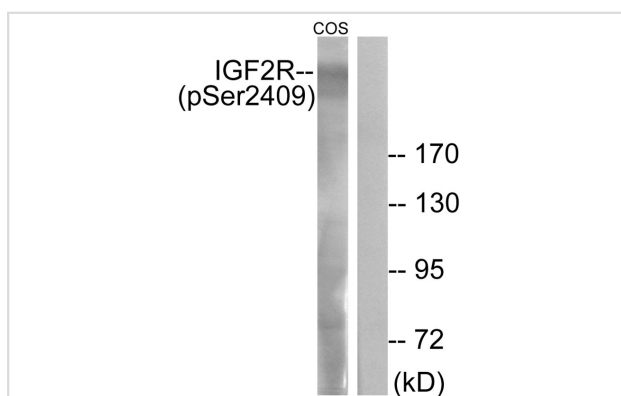
Product Name	IGF2R (Phospho-Ser2409) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatography 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.
SDS-PAGE MW	300kd
Concentration	1.0mg/ml
Formulation	Rabbit IgG in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C/1 year

## Application Details

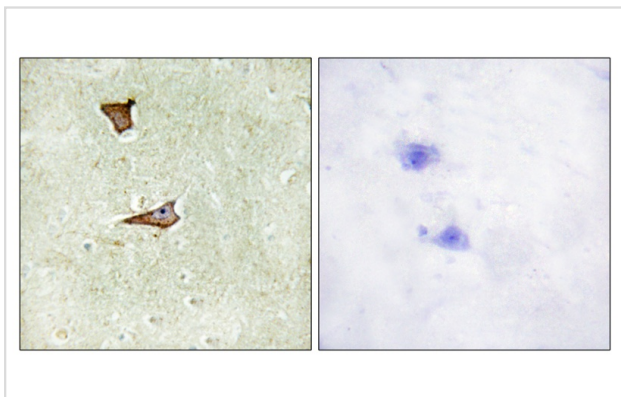
Western blotting: 1:500~1:1000

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 prelysosomal 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 and is not intended for use in humans or animals.