

Product datasheet for **AP55736PU-S**

IGF2R pSer2409 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	Western blot: 1:500~1:1000. Immunohistochemistry on paraffin sections: 1:50~1:100.
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Peptide sequence around phosphorylation site of Serine 2409(Q-D-S(p)-E-D) derived from Human IGF2R (KLH-conjugated)
Specificity:	The antibody detects endogenous levels of IGF2R only when phosphorylated at serine 2409.
Formulation:	Rabbit IgG in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol State: Aff - Purified State: Liquid Ig fraction
Concentration:	lot specific
Purification:	Affinity chromatography using epitope-specific peptide
Conjugation:	Unconjugated
Storage:	Upon receipt, store undiluted (in aliquots) at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	300 kDa
Gene Name:	insulin like growth factor 2 receptor
Database Link:	Entrez Gene 3482 Human P11717



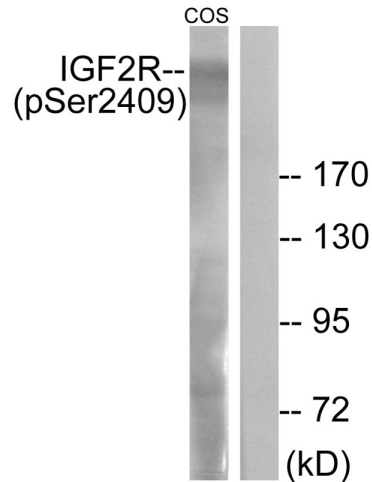
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Background:

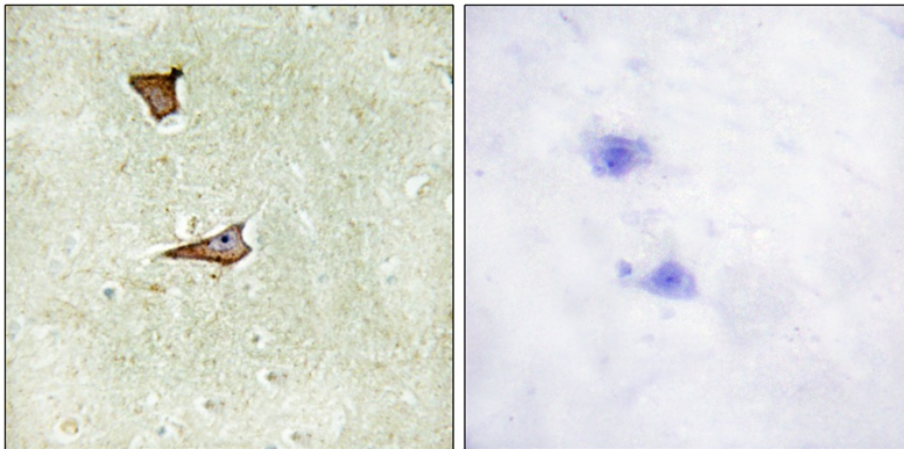
Transport of phosphorylated lysosomal enzymes from the Golgi complex and the cell surface to lysosomes. Lysosomal enzymes bearing phosphomannosyl residues bind specifically to mannose-6-phosphate receptors in the Golgi apparatus and the resulting receptor-ligand complex is transported to an acidic prelysosomal 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.

Synonyms:

CI-MPR, Insulin-like growth factor 2 receptor, Insulin-like growth factor II receptor, M6P/IGF2 receptor, CI Man-6-P receptor, M6PR, Late Endosome Marker, M6P/IGF2R, MPR 300

Product images:


Western blot analysis of extracts from COS-7 cells treated with UV using IGF2R (Phospho-Ser2409) Antibody. 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 (left) or the same antibody preincubated with blocking peptide (right).