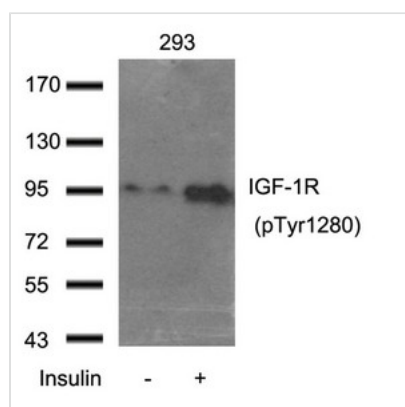




Phospho-IGF1R (Tyr1280) Antibody

Product Code	CSB-PA449888
Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Uniprot No.	P08069
Immunogen	Peptide sequence around phosphorylation site of tyrosine 1280 (S-F-Y(p)-Y-S) derived from Human IGF-1R
Raised In	Rabbit
Species Reactivity	Human
Specificity	The antibody detects endogenous levels of IGF-1R only when phosphorylated at tyrosine 1280.
Tested Applications	ELISA,WB;WB:1:500-1:1000
Relevance	This receptor binds insulin-like growth factor 1 (IGF1) with a high affinity and IGF2 with a lower affinity. It has a tyrosine-protein kinase activity, which is necessary for the activation of the IGF1-stimulated downstream signaling cascade. When present in a hybrid receptor with INSR, binds IGF1. Ref.19 shows that hybrid receptors composed of IGF1R and INSR isoform Long are activated with a high affinity by IGF1, with low affinity by IGF2 and not significantly activated by insulin, and that hybrid receptors composed of IGF1R and INSR isoform Short are activated by IGF1, IGF2 and insulin. In contrast, Ref.21 shows that hybrid receptors composed of IGF1R and INSR isoform Long and hybrid receptors composed of IGF1R and INSR isoform Short have similar binding characteristics, both bind IGF1 and have a low affinity for insulin. Adams, T.E. et al. (2000) Cell. Mol. Life Sci. 57, 1050-1093 Baserga, R. et al. (2000) Oncogene 19, 5574-5581 Scheidegger, K.J. et al. (2000) J. Biol. Chem. 275, 38921-38928. O'Connor R, et al. Mol Cell Biol 1997 Jan; 17(1): 427-35
Form	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purification Method	Antibodies were produced by immunizing rabbits with synthetic peptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific peptide.
Clonality	Polyclonal
Alias	IGFR; CD221; IGFIR
Product Type	Polyclonal Antibody
Species	Homo sapiens (Human)
Target Names	IGF1R
Image	



Western blot analysis of extract from 293 cells using IGF-1R(Phospho-Tyr1280) Antibody.

Product Modify

Phospho-Tyr1280