Product Datasheet

IGF-1R(Phospho-Tyr1280) Antibody

Catalog No: #11302

Package Size: #11302-1 50ul #11302-2 100ul

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

Description

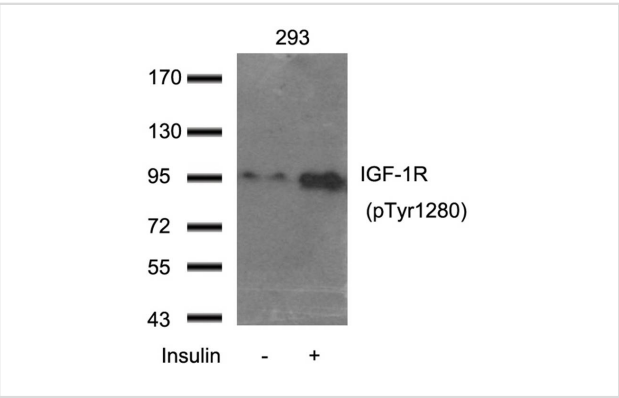
Product Name	IGF-1R(Phospho-Tyr1280) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic peptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific peptide.
Applications	WB
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of IGF-1R only when phosphorylated at tyrosine 1280.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around phosphorylation site of tyrosine 1280 (S-F-Y(p)-Y-S) derived from Human IGF-1R
Target Name	IGF-1R
Modification	Phospho
Other Names	IGFR; CD221; IGFIR
Accession No.	Swiss-Prot: P08069NCBI Protein: NP_000866.1
Uniprot	P08069
GeneID	3480;
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL 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 for long term preservation (recommended). Store at 4°C for short term use.

Application Details

Predicted MW: 200 95kd

Western blotting: 1:500~1:1000

Images



Western blot analysis of extract from 293 cells using IGF-1R(Phospho-Tyr1280) Antibody #11302.

Background

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

Note: This product is for in vitro research use only