

Datasheet for ABIN7138928
anti-IGF1R antibody (pTyr1280)



[Go to Product page](#)

1 Image

Overview

Quantity:	100 µL
Target:	IGF1R
Binding Specificity:	pTyr1280
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This IGF1R antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	Peptide sequence around phosphorylation site of tyrosine 1280 (S-F-Y(p)-Y-S) derived from Human IGF-1R
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	Antibodies were produced by immunizing rabbits with synthetic peptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific peptide.

Target Details

Target:	IGF1R
Alternative Name:	IGF1R (IGF1R Products)

Target Details

Background:	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 Aliases: CD221 antibody, CD221 antigen antibody, IGF 1 receptor antibody, IGF 1R antibody, IGF I receptor antibody, IGF-I receptor antibody, Igf1r antibody, IGF1R_HUMAN antibody, IGFIIR antibody, IGFIIRC antibody, IGFR antibody, Insulin like growth factor 1 receptor antibody, Insulin like growth factor 1 receptor precursor antibody, Insulin-like growth factor 1 receptor beta chain antibody, Insulin-like growth factor I receptor antibody, JTK13 antibody, MGC142170 antibody, MGC142172 antibody, MGC18216 antibody, Soluble IGF1R variant 1 antibody, Soluble IGF1R variant 2 antibody
-------------	---

UniProt:	P08069
Pathways:	RTK Signaling , Regulation of Hormone Metabolic Process , Regulation of Hormone Biosynthetic Process , Autophagy

Application Details

Application Notes:	WB:1:500-1:1000,
Restrictions:	For Research Use only

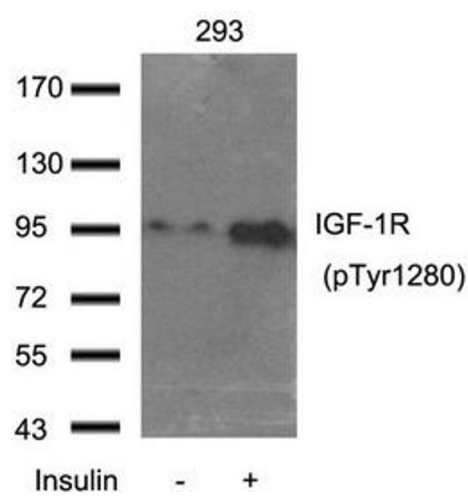
Handling

Format:	Liquid
Buffer:	Supplied at 1.0 mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150 mM

Handling

	NaCl, 0.02 % sodium azide and 50 % glycerol.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

Images



Western Blotting

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