

Datasheet for ABIN7138933
anti-IGF1R antibody (pTyr1346)



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1 Image

Overview

Quantity:	100 µL
Target:	IGF1R
Binding Specificity:	pTyr1346
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This IGF1R antibody is un-conjugated
Application:	ELISA, Immunohistochemistry (IHC)

Product Details

Immunogen:	Peptide sequence around phosphorylation site of tyrosine 1346(Q-P-Y(p)-A-H) derived from Human IGF1R .
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
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

Target Details

Target:	IGF1R
Alternative Name:	IGF1R (IGF1R Products)

Target Details

Background:	Background: This receptor binds insulin-like growth factor with a high affinity. It has tyrosine kinase activity. The insulin-like growth factor I receptor plays a critical role in transformation events. Cleavage of the precursor generates alpha and beta subunits. It is highly overexpressed in most malignant tissues where it functions as an anti-apoptotic agent by enhancing cell survival. Ullrich A., EMBO J. 5:2503-2512(1986). Abbot A.M., J. Biol. Chem. 267:10759-10763(1992). The MGC Project Team,Genome Res. 14:2121-2127(2004). 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, IGFIR antibody, IGFIRC 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
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UniProt:	P08069
Pathways:	RTK Signaling , Regulation of Hormone Metabolic Process , Regulation of Hormone Biosynthetic Process , Autophagy

Application Details

Application Notes:	IHC:1:50-1:100,
Restrictions:	For Research Use only

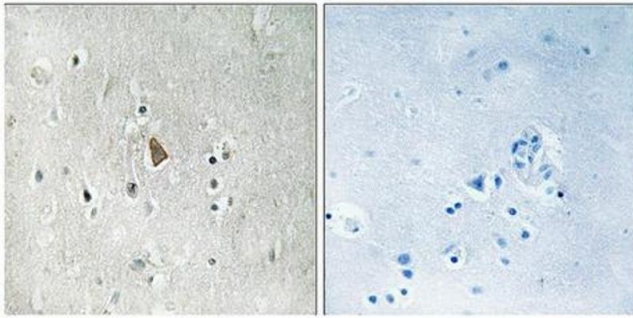
Handling

Format:	Liquid
Buffer:	Rabbit IgG in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150 mM 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

Handling

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

Images



Immunohistochemistry

Image 1. Immunohistochemical analysis of paraffin-embedded human brain tissue using IGF1R (Phospho-Tyr1346) antibody (left) or the same antibody preincubated with blocking peptide (right).