

Datasheet for ABIN359877
anti-IGF1R antibody (N-Term)



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2 Images

Overview

Quantity:	0.4 mL
Target:	IGF1R
Binding Specificity:	N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This IGF1R antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	This antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide selected from the N-terminal region of human IGF1R.
Isotype:	Ig Fraction
Specificity:	This antibody reacts to IGF1 Receptor (IGF1R).
Purification:	Protein G column, eluted with high and low pH buffers and neutralized immediately, followed by dialysis against PBS

Target Details

Target:	IGF1R
Alternative Name:	CD221 / IGF1R (IGF1R Products)

Target Details

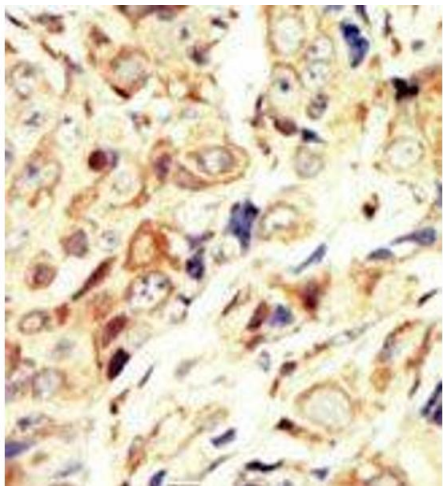
Background:	The IGF1R receptor binds insulin-like growth factor with a high affinity and plays a critical role in transformation events. Cleavage of the precursor generates alpha and beta subunits. It is highly overexpressed in most malignant tissues where it functions as an anti-apoptotic agent by enhancing cell survival. The protein possess tyrosine kinase activity.Synonyms: IGF-I receptor, IGF1 Receptor, Insulin-like growth factor 1 receptor
Gene ID:	3480, 9606
UniProt:	P08069
Pathways:	RTK Signaling , Regulation of Hormone Metabolic Process , Regulation of Hormone Biosynthetic Process , Autophagy

Application Details

Application Notes:	ELISA: 1/1,000. Western Blot: 1/100 - 1/500. Immunohistochemistry: 1/50 - 1/100. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Restrictions:	For Research Use only

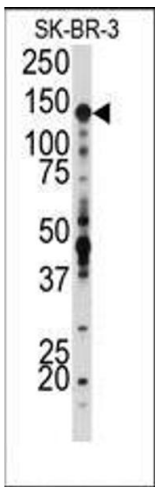
Handling

Format:	Liquid
Concentration:	0.25 mg/mL
Buffer:	PBS with 0.09 % (W/V) sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store the antibody undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by DAB staining.



Western Blotting

Image 2. Western blot analysis of anti-IGF1R Antibody (N-term) in SK-BR-3 cell line lysates (35ug/lane). IGF1R (arrow) was detected using the purified Pab.