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Datasheet for ABIN391990 anti-IGF1R antibody (N-Term)

2 Images

2 Publications



Overview

Quantity:	400 µL
Target:	IGF1R
Binding Specificity:	AA 19-51, 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))
Product Details	
Immunogen:	This IGF1 Receptor (IGF1R) antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 19-51 amino acids from the N-terminal region of human IGF1 Receptor (IGF1R).
Clone:	RB1455-1456
Isotype:	Ig Fraction
Predicted Reactivity:	M, Rat
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Target Details	

Target Details

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IGF1R

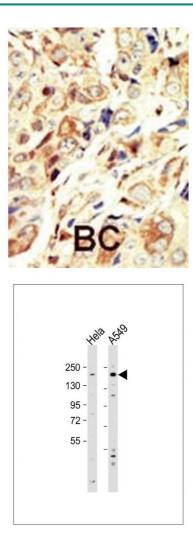
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Alternative Name:	IGF1 Receptor (IGF1R) (IGF1R Products)
Background:	The IGF1R receptor binds insulin-like growth factor with a high affinity and plays a critical role in transformation events. Cleavage of the precursor generates alpha and beta subunits. 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.
Molecular Weight:	154793
Gene ID:	3480
NCBI Accession:	NP_000866
UniProt:	P08069
Pathways:	RTK Signaling, Regulation of Hormone Metabolic Process, Regulation of Hormone Biosynthetic Process, Autophagy
Application Details	
Application Notes:	WB: 1:2000. IHC-P: 1:50~100
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in 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.
Storage:	4 °C,-20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in smal aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months
Publications	
Product cited in:	Sakurai, Shibata, Umezu, Kajiyama, Yamamoto, Ino, Nawa, Kikkawa: "Growth-suppressing function of glypican-3 (GPC3) via insulin like growth factor II (IGF-II) signaling pathway in

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Zhang, Hao, Wang, Xiao, Ge, Zhu, Luo, Zhang, Zhang: "Elevated IGFIR expression regulating VEGF and VEGF-C predicts lymph node metastasis in human colorectal cancer." in: **BMC** cancer, Vol. 10, pp. 184, (2010) (PubMed).

Images



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. This data demonstrates the use of this antibody for immunohistochemistry, clinical relevance has not been evaluated. BC = breast carcinoma, HC = hepatocarcinoma.

Western Blotting

Image 2. All lanes : Anti-IGF1R Antibody at 1:2000 dilution Lane 1: Hela whole cell lysate Lane 2: A549 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 155 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.

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