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Datasheet for ABIN802203 anti-IGF1R antibody (pTyr980)

2 Images

2 Publications



Overview

Quantity:	100 µL
Target:	IGF1R
Binding Specificity:	pTyr980
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This IGF1R antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Flow Cytometry (FACS), Immunohistochemistry (Paraffin- embedded Sections) (IHC (p)), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic phosphopeptide derived from human IGF1R around the phosphorylation site of Tyr980
lsotype:	lgG
Cross-Reactivity:	Human, Mouse
Predicted Reactivity:	Rat
Purification:	Purified by Protein A.

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Target Details

Target:	IGF1R
Alternative Name:	IGF1R (IGF1R Products)
Background:	Synonyms: IGFR, CD221, IGFIR, JTK13, Insulin-like growth factor 1 receptor, Insulin-like growth factor I receptor, IGF-I receptor, IGF1R Background: When present in a hybrid receptor with INSR, binds IGF1. PubMed:12138094 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, PubMed:16831875 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.
Gene ID:	3480
UniProt:	P08069
Pathways:	RTK Signaling, Regulation of Hormone Metabolic Process, Regulation of Hormone Biosynthetic Process, Autophagy

Application Details

Application Notes:	WB 1:300-5000
	ELISA 1:500-1000
	FCM 1:20-100
	IHC-P 1:200-400
	IHC-F 1:100-500
	IF(IHC-P) 1:50-200
	IF(IHC-F) 1:50-200
	IF(ICC) 1:50-200
Restrictions:	For Research Use only

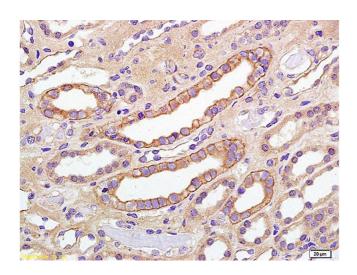
Handling

Format:	Liquid
Concentration:	1 μg/μL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin

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Handling	
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months
Publications	
Product cited in:	Lee, Wang, James, Jeong, You: "Inhibition of IGF1R signaling abrogates resistance to afatinib
	(BIBW2992) in EGFR T790M mutant lung cancer cells." in: Molecular carcinogenesis , Vol. 55, Issue 5, pp. 991-1001, (2016) (PubMed).
	Tang, Liao, Xu, Zhang, Liu, Deng, Jiang, Fu, Chen, Zhou: "Estrogen and insulin-like growth factor
	1 synergistically promote the development of lung adenocarcinoma in mice." in: International
	journal of cancer. Journal international du cancer, Vol. 133, Issue 10, pp. 2473-82, (2013) (
	PubMed).

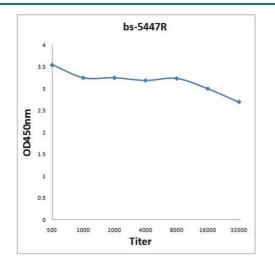
Images



Immunohistochemistry

Image 1. Formalin-fixed and paraffin embedded human kidney carcinoma labeled with Anti phospho-IGF1R(Tyr980) Polyclonal Antibody,Unconjugated (ABIN802203) at 1:200 followed by conjugation to the secondary antibody and DAB staining

Images



ELISA

Image 2. Antigen: 0.2 µg/100 µL Primary: Antiserum, 1:500, 1:1000, 1:2000, 1:4000, 1:8000, 1:16000, 1:32000; Secondary: HRP conjugated Goat Anti-Rabbit IgG at 1: 5000; TMB staining; Read the data in Microplate Reader by 450nm

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