

Datasheet for ABIN2464067

anti-IGF1R antibody (truncated)[Go to Product page](#)**2** Images

Overview

Quantity:	0.1 mL
Target:	IGF1R
Binding Specificity:	truncated
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This IGF1R antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)

Product Details

Immunogen:	Ni-NTA purified truncated recombinant IGF1R-His expressed in E. Coli strain BL21 (DE3).
Clone:	3C8B1
Isotype:	IgG2b

Target Details

Target:	IGF1R
Alternative Name:	IGF1R (IGF1R Products)
Background:	IGF1R(insulin-like growth factor 1 receptor), a transmembrane receptor tyrosine kinase, is widely expressed in many cell types within fetal and postnatal tissues, and in many cell lines. Upon binding to its ligands, IGF-I and IGF-II, receptor autophosphorylation occurs. The triple tyrosine cluster within the kinase domain (Tyr1131, Tyr1135 and Tyr1136) is the earliest major

Target Details

site of autophosphorylation. Phosphorylation of these three tyrosine residues is necessary for kinase activation. Insulin receptors (IRs) share significant similarity with IGF1 receptors in both structure and function, including an equivalent triple tyrosine cluster within the activation loop of the kinase domain (Tyr1146, Tyr1150 and Tyr1151). Tyrosine autophosphorylation of insulin receptor is one of the earliest cellular responses to insulin stimulation. Autophosphorylation begins with phosphorylation of Tyr1146 and either Tyr1150 or Tyr1151. Full kinase activation requires the triple tyrosine phosphorylation.

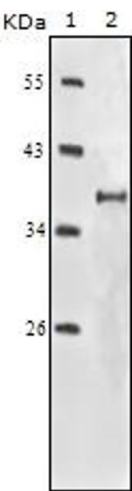
Gene ID:	3480
UniProt:	P08069
Pathways:	RTK Signaling , Regulation of Hormone Metabolic Process , Regulation of Hormone Biosynthetic Process , Autophagy

Application Details

Application Notes:	Western Blot:1:500 - 1:2,000 IHC(P):1:500 - 1:2,000 IHC(F):1:500 - 1:2,000 ELISA:Propose dilution 1:10,000. Determining optimal working dilutions by titration test.
Restrictions:	For Research Use only

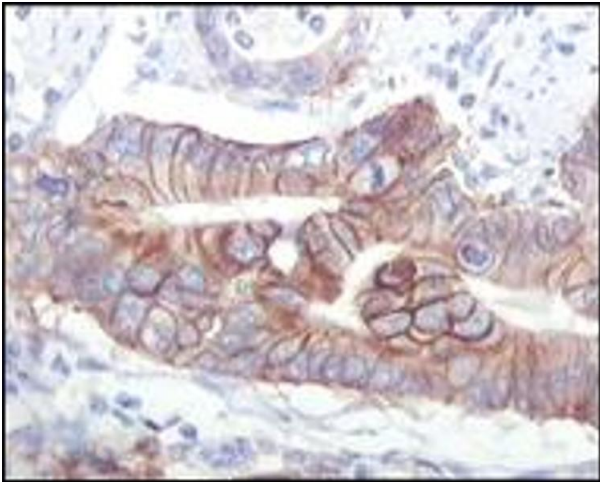
Handling

Format:	Liquid
Buffer:	Ascitic fluid containing 0.03 % 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:	As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
Storage:	-20 °C
Storage Comment:	IGF1R monoclonal antibody can be stored at -20 °C, stable for one year.



Western Blotting

Image 1.



Immunohistochemistry

Image 2.