Datasheet for ABIN7267890

anti-Insulin Receptor antibody (AA 1281-1382)

2 Images

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Overview

Quantity:	100 µL
Target:	Insulin Receptor (INSR)
Binding Specificity:	AA 1281-1382
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Insulin Receptor antibody is un-conjugated
Application:	Western Blotting (WB), Immunoprecipitation (IP)

Product Details

Purpose:	Insulin Receptor Rabbit pAb
Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 1281-1382 of human INSR (NP_000199.2).
Sequence:	PTFLEIVNLL KDDLHPSFPE VSFFHSEENK APESEELEME FEDMENVPLD RSSHCQREEA GGRDGGSSLG FKRSYEEHIP YTHMNGGKKN GRILTLPRSN PS
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

Target Details

Target:	Insulin Receptor (INSR)
Alternative Name:	INSR (INSR Products)
Background:	This gene encodes a member of the receptor tyrosine kinase family of proteins. The encoded preproprotein is proteolytically processed to generate alpha and beta subunits that form a heterotetrameric receptor. Binding of insulin or other ligands to this receptor activates the insulin signaling pathway, which regulates glucose uptake and release, as well as the synthesis and storage of carbohydrates, lipids and protein. Mutations in this gene underlie the inherited severe insulin resistance syndromes including type A insulin resistance syndrome, Donohue syndrome and Rabson-Mendenhall syndrome. Alternative splicing results in multiple transcript variants.,CD220,HHF5,INSR,Cancer,Signal Transduction,Kinase,Tyrosine kinases,Cell Biology & Developmental Biology,Growth factor,Insulin and insulin-like,Endocrine & Metabolism,AMPK Signaling Pathway,Insulin Receptor Signaling Pathway,Endocrine and metabolic diseases,Diabetes,Immunology & Inflammation,CD markers,Neuroscience,Cardiovascular,Heart,Cardiovascular diseases,Heart disease,INSR
Molecular Weight:	155kDa/156kDa
Gene ID:	3643
UniProt:	P06213
Pathways:	NF-kappaB Signaling, RTK Signaling, AMPK Signaling, Carbohydrate Homeostasis, Regulation of Cell Size, Regulation of Carbohydrate Metabolic Process, Growth Factor Binding, Negative Regulation of Transporter Activity

Application Details

Application Notes:	WB,1:500 - 1:2000,IP,1:50 - 1:200
Restrictions:	For Research Use only

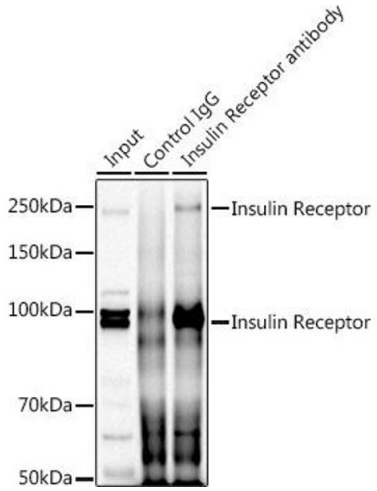
Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
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

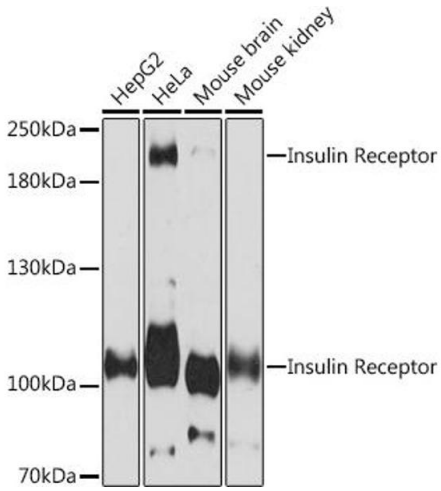
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.

Images



Immunoprecipitation

Image 1. Immunoprecipitation analysis of 300 µg extracts of HeLa cells using 3 µg Insulin Receptor antibody (ABIN7267890). Western blot was performed from the immunoprecipitate using Insulin Receptor (ABIN7267890) at a dilition of 1:1000.



Western Blotting

Image 2. Western blot analysis of extracts of various cell lines, using Insulin Receptor Rabbit pAb (ABIN7267890) at 1:3000 dilution.Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution.Lysates/proteins: 25 µg per lane.Blocking buffer: 3 % nonfat dry milk in TBST.Detection: ECL Basic Kit (RM00020).Exposure time: 30s.