

Datasheet for ABIN3020884

anti-Insulin Receptor antibody (AA 1130-1230)



[Go to Product page](#)

1 Image

1 Publication

Overview

Quantity:	100 µL
Target:	Insulin Receptor (INSR)
Binding Specificity:	AA 1130-1230
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Insulin Receptor antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	A synthetic peptide corresponding to a sequence within amino acids 1130-1230 of human Insulin Receptor (NP_000199.2).
Sequence:	PPTLQEMIQM AAEIADGMAY LNAKKFVHRD LAARNCMVAH DFTVKIGDFG MTRDIYETDY YRKGKGLLP VRWMAPELKD DGVFTTSSDM WSGVVLWEI T
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

Target Details

Target:	Insulin Receptor (INSR)
Alternative Name:	INSR (INSR Products)
Background:	<p>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</p>
Molecular Weight:	155 kDa/156 kDa
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,IHC,1:50 - 1:100
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

Handling Advice: Avoid freeze / thaw cycles

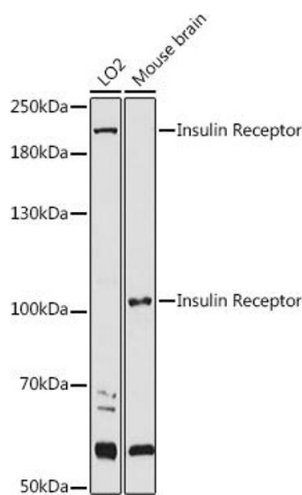
Storage: -20 °C

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

Publications

Product cited in: Sun, Ji, Guo, Liu, Wang, Ma, Hu, Wang, Jiang: "Early adventitial activation characterized by NADPH oxidase expression and neovascularization in an aortic transplantation model." in: **Experimental and molecular pathology**, Vol. 100, Issue 1, pp. 67-73, (2016) ([PubMed](#)).

Images



Western Blotting

Image 1. Western blot analysis of extracts of various cell lines, using Insulin Receptor antibody (ABIN3020883, ABIN3020884, ABIN3020885 and ABIN6213774) at 1:1000 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: 90s.