

Datasheet for ABIN3031336
anti-IRS1 antibody (N-Term)



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2 Images

Overview

Quantity:	100 µg
Target:	IRS1
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This IRS1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	An amino acid sequence from the N-terminus of mouse Insulin receptor substrate 1 (WYQALLQLHNRKAHHD) was used as the immunogen for this IRS-1 antibody (100% rat homology).
Isotype:	IgG
Purification:	Antigen affinity

Target Details

Target:	IRS1
Alternative Name:	IRS-1 (IRS1 Products)
Background:	Insulin receptor substrate 1 is a signalling adapter protein that in humans is encoded by the IRS1 gene. This gene exhibited no intrinsic enzyme activity, and it can serve as a docking

Target Details

protein involved in binding and activating other signal transduction molecules after being phosphorylated on tyrosine by insulin receptor kinase. IRS-1 plays a key role in transmitting signals from the insulin and insulin-like growth factor-1 (IGF-1) receptors to intracellular pathways PI3K/Akt and Erk MAP kinase pathways. It also plays important biological function for both metabolic and mitogenic (growth promoting) pathways. In addition to those, IRS-1 is a key regulator of PI3K within malignant cells.

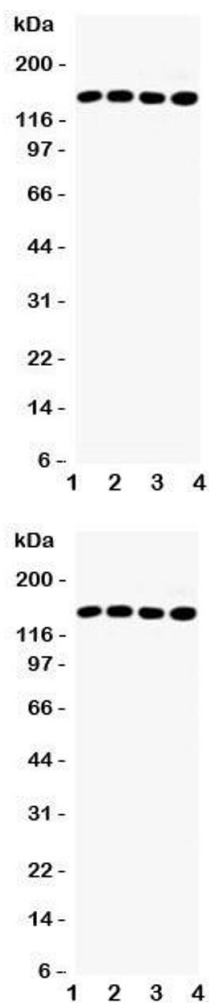
UniProt:	P35569
Pathways:	Fc-epsilon Receptor Signaling Pathway , EGFR Signaling Pathway , Neurotrophin Signaling Pathway , Positive Regulation of Peptide Hormone Secretion , Hormone Transport , Negative Regulation of Hormone Secretion , Response to Growth Hormone Stimulus , Carbohydrate Homeostasis , Regulation of Carbohydrate Metabolic Process

Application Details

Application Notes:	The stated application concentrations are suggested starting amounts. Titration of the IRS-1 antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. Western blot: 0.5-1 µg/mL
Restrictions:	For Research Use only

Handling

Buffer:	0.5 mg/mL if reconstituted with 0.2 mL sterile DI water
Storage:	-20 °C
Storage Comment:	After reconstitution, the IRS-1 antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.



Western Blotting

Image 1. Western blot testing of IRS-1 antibody and Lane 1: HeLa; 2: A549; 3: 293T; 4: MCF-7 lysate, Expected size: 132~185KD depending on serine phosphorylation level

Western Blotting

Image 2. Western blot testing of IRS-1 antibody and Lane 1: HeLa