

Datasheet for ABIN7138549
anti-IRS1 antibody (pSer312)



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1 Image

Overview

Quantity:	100 µL
Target:	IRS1
Binding Specificity:	pSer312
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This IRS1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	Peptide sequence around phosphorylation site of serine 312 (A-T-S(p)-P-A) derived from Human IRS-1.
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Purification:	Antibodies were produced by immunizing rabbits with synthetic peptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific peptide.

Target Details

Target:	IRS1
Alternative Name:	IRS1 (IRS1 Products)

Target Details

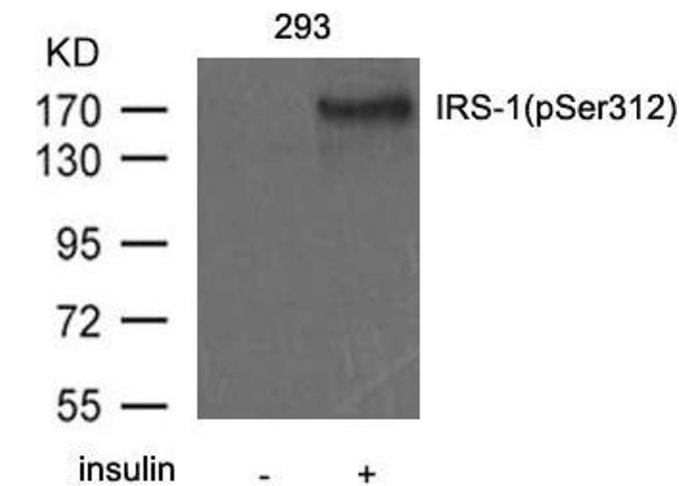
Background:	Background: May mediate the control of various cellular processes by insulin. When phosphorylated by the insulin receptor binds specifically to various cellular proteins containing SH2 domains such as phosphatidylinositol 3-kinase p85 subunit or GRB2. Activates phosphatidylinositol 3-kinase when bound to the regulatory p85 subunit Tzatsos A, et al. (2006) Mol Cell Biol, 26(1): 63-76 Ozes ON, et al. (2001) Proc Natl Acad Sci U S A, 98(8): 4640-4645 Szanto I, et al. (2000) Proc Natl Acad Sci U S A, 97(5): 2355-2360 Ozes ON, et al. (2001) Proc Natl Acad Sci U S A, 98(8): 4640-4645 Aliases: HIRS 1 antibody, HIRS1 antibody, Insulin receptor substrate 1 antibody, IRS 1 antibody, IRS-1 antibody, IRS1 antibody, IRS1_HUMAN antibody, OTTHUMP00000164234 antibody
UniProt:	P35568
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:	WB:1:500-1:1000,
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Supplied at 1.0 mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



Western Blotting

Image 1. Western blot analysis of extract from 293 cells untreated or treated with insulin using IRS-1(Phospho-Ser312) antibody.