

Datasheet for ABIN6284458
anti-IRS1 antibody (AA 570-650)



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Overview

Quantity:	50 µL
Target:	IRS1
Binding Specificity:	AA 570-650
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This IRS1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Purpose:	IRS-1 is a protein encoded by the IRS1 gene which is approximately 131,5 kDa. IRS-1 is localised to the cytoplasm and nucleus. It is involved in RET signalling, regulation of lipid metabolism, insulin signalling-generic cascades and the IL-2 pathway. It is a protein which is phosphorylated by insulin receptor tyrosine kinase. It may mediate the control of various cellular processes by insulin. When phosphorylated by the insulin receptor it binds specifically to various cellular proteins containing SH2 domains such as phosphatidylinositol 3-kinase p85 subunit or GRB2. IRS-1 is expressed in the liver, muscle, eye, nervous system and pancreas. The IRS1 gene may be involved in non-insulin-dependent diabetes mellitus. STJ93769 was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. This polyclonal antibody detects endogenous levels of IRS-1 protein.
Immunogen:	Synthesized peptide derived from human IRS-1 around the non-phosphorylation site of S636.

Product Details

Isotype:	IgG
Specificity:	IRS-1 Polyclonal Antibody detects endogenous levels of IRS-1 protein.
Characteristics:	Rabbit polyclonal to IRS-1.
Purification:	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

Target Details

Target:	IRS1
Alternative Name:	IRS-1 (IRS1 Products)
Molecular Weight:	180 kDa
Gene ID:	3667
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 1:500-1:2000 IHC 1:100-1:300 IF 1:200-1:1000 ELISA 1:20000
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	Liquid in PBS containing 50 % glycerol, 0.5 % BSA and 0.02 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which

Handling

should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Store at -20°C, and avoid repeat freeze-thaw cycles.