

Datasheet for ABIN7448979
anti-IRS1 antibody (AA 1192-1242)



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Overview

Quantity:	25 µg
Target:	IRS1
Binding Specificity:	AA 1192-1242
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This IRS1 antibody is un-conjugated
Application:	Immunohistochemistry (IHC), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Purpose:	Rabbit anti-IRS1 IHC Antibody, Affinity Purified
Immunogen:	Between AA 1192 and 1242
Isotype:	IgG
Predicted Reactivity:	Mouse,Rabbit,Pig,Gorilla,Chimpanzee,Naked mole rat
Purification:	Affinity Purified

Target Details

Target:	IRS1
Alternative Name:	IRS1 (IRS1 Products)
Background:	Background: The insulin receptor substrate 1 (IRS1) is one of four members of the IRS family

Target Details

(IRS1-4) that mediates intracellular signaling downstream of the IGF1 and insulin receptors. Phosphorylation of IRS1 by activated receptors leads to binding of IRS to the SH2 domains of effector proteins such as PI3K, Grb2, nck, and SHP2. The downstream effects of insulin and IGF1 signaling via IRSs on the cell are pleiotropic and include various responses such as glucose transport, glycogen synthesis, protein synthesis, antilipolysis, and gluconeogenesis. Polymorphisms in IRS1 may contribute to the etiology of non-insulin-dependent diabetes mellitus (NIDDM).

Gene ID: 3667

NCBI Accession: [NP_005535](#)

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: IHC-IF: 1:50 - 1:500
IHC: 1:100 - 1:500

Restrictions: For Research Use only

Handling

Concentration: 250 µg/mL

Buffer: Tris-buffered Saline containing 0.1 % BSA and 0.09 % Sodium Azide

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: 4 °C

Expiry Date: 12 months