



# Rabbit Anti-Human IRS1 monoclonal antibody, clone 32I20M35 (CABT-L1426)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

Target	IRS1
Immunogen	Recombinant protein corresponding to amino acids 694-875 of human IRS1.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Clone	32I20M35
Purification	Protein A Purified
Conjugate	Unconjugated
Applications	IHC-P, WB
Format	Liquid
Concentration	0.5 mg/ml
Buffer	PBS
Preservative	0.09% Sodium Azide
Storage	Maintain refrigerated at 2-8°C for up to 1 month. For long term storage store at -20°C

## BACKGROUND

**Introduction**

Insulin Receptor Substrate-1. The main function of IRS1 is to enhance growth hormone-induced proliferative signaling. The activated insulin receptor phosphorylates IRS proteins on multiple tyrosine residues that serve as docking sites for downstream mediators of metabolic actions such as phosphatidylinositol-3 kinase. IRS proteins also undergo serine phosphorylation, which regulates its function. Phosphorylation of human IRS-1 at serines, such as 312 and 616 (serines 307 and 612 in mouse), results in the impairment of metabolic insulin signaling pathways.

**Keywords**

IRS1;insulin receptor substrate 1;HIRS-1;IRS-1

## GENE INFORMATION

**Entrez Gene ID**

[56158](#)

**UniProt ID**

[A0A024R3E7](#)