Rabbit Anti-IRS1 Polyclonal Antibody

CPB-1258RH Rabbit(IRS1)
Lot. No. (See product label)

PRODUCT INFORMATION

Product Overview	Rabbit Anti-IRS1 Polyclonal Antibody
Antigen Description	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.
specificity	The antibody detects endogenous levels of IRS-1 only when phosphorylated at serine 312.
Target	IRS1
Immunogen	Peptide sequence around phosphorylation site of serine 312 (A-T-S(p)-P-A) derived from Human SOX2.
Host	Rabbit
Species	Human
Cross Reactivity	Human; Mouse; Rat
conjugation	N/A
Applications	WB

PACKAGING

Format	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+). pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C/1 year

ANTIGEN GENE INFORMATION

Gene Name	IRS1 insulin receptor substrate 1 [Homo sapiens]
Official Symbol	IRS1
Synonyms	IRS1; insulin receptor substrate 1; HIRS 1; IRS-1; HIRS-1;
GeneID	3667
mRNA Refseq	NM_005544
Protein Refseq	NP_005535
UniProt ID	P35568
Chromosome Location	2q36
Pathway	Adipocytokine signaling pathway, organism-specific biosystem; Adipocytokine signaling pathway, conserved biosystem; Adipogenesis, organism-specific biosystem; Aldosterone-regulated sodium reabsorption, organism-specific biosystem; Aldosterone-regulated sodium reabsorption, conserved biosystem; Alpha6-Beta4 Integrin Signaling Pathway, organism-specific biosystem; Cytokine Signaling in Immune system, organism-specific biosystem;

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Function	SH2 domain binding; insulin receptor binding; insulin-like growth factor receptor binding; insulin-like growth factor-activated receptor activity; phosphatidylinositol 3-kinase binding; phosphatidylinositol 3-kinase binding; phosphatidylinositol-4,5-bisphosphate 3-kinase activity; protein binding; protein kinase C binding; signal transducer activity; transmembrane receptor protein tyrosine kinase adaptor activity;

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