

## IRS-1(Phospho-Ser312) Antibody

Catalog No: #11143

Package Size: #11143-1 50ul #11143-2 100ul

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## Description

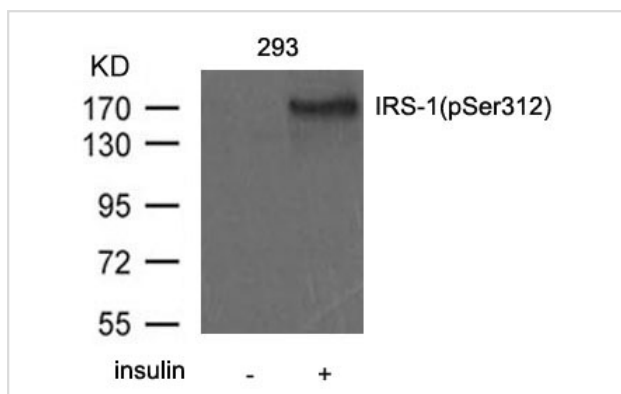
Product Name	IRS-1(Phospho-Ser312) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic peptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific peptide.
Applications	WB
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous levels of IRS-1 only when phosphorylated at serine 312.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around phosphorylation site of serine 312 (A-T-S(p)-P-A) derived from Human IRS-1.
Target Name	IRS-1
Modification	Phospho
Other Names	HIRS-1; IRS1; Insulin receptor substrate 1
Accession No.	Swiss-Prot: P35568 NCBI Protein: NP_005535.1
Uniprot	P35568
GeneID	3667;
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C for long term preservation (recommended). Store at 4°C for short term use.

## Application Details

Predicted MW: 180kd

Western blotting: 1:500~1:1000

## Images



Western blot analysis of extract from 293 cells untreated or treated with insulin using IRS-1(Phospho-Ser312) antibody #11143.

## Background

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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

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Note: This product is for in vitro research use only