IRS-1(Phospho-Ser312) Antibody

Catalog No: #11143

Package Size: #11143-1 50ul #11143-2 100ul #11143-4 25ul

Overview

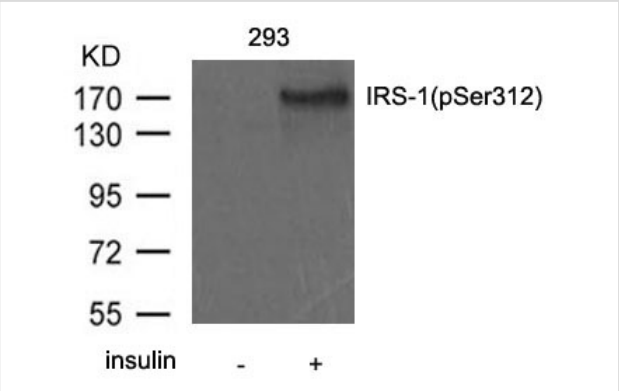
Product Name	IRS-1(Phospho-Ser312) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Applications	WB
Species Reactivity	Hu Ms Rt
Immunogen Type	Peptide-KLH
Target Name	IRS-1
Modification	Phospho-Ser312
Alternative Names	HIRS-1; IRS1; Insulin receptor substrate 1

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.

Descriptions

Immunogen	Peptide sequence around phosphorylation site of serine 312 (A-T-S(p)-P-A) derived from Human IRS-1.
Specificity	The antibody detects endogenous levels of IRS-1 only when phosphorylated at serine 312.
Purifiction	Antibodies were produced by immunizing rabbits with synthetic peptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific peptide.
Formulation	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 for long term preservation (recommended). Store at 4°C for short term use.
Accession NO.	Swiss-Prot: P35568NCBI Protein: NP_005535.1

Related Information

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