

#11143

IRS-1(Phospho-Ser312) Antibody

Catalog: #11143-1 50µl **Orders:** order@signalwayantibody.com
#11143-2 100µl **Support:** tech@signalwayantibody.com
Storage: Store at -20°C/1 year **Web:** www.signalwayantibody.com



Application	Species Reactivity	Source	Molecular Wt.
WB	Human, Mouse, Rat	Rabbit Polyconal Ab	180KD

Description: Antibodies were produced by immunizing rabbits with synthetic peptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific peptide.

Specificity: The antibody detects endogenous levels of IRS-1 only when phosphorylated at serine 312.

Immunogen: Peptide sequence around phosphorylation site of serine 312 (A-T-S(p)-P-A) derived from Human IRS-1.

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.

Synonyms: HIRS-1 IRS1 Insulin receptor substrate 1

Accession No.: Swiss-Prot#: P35568 NCBI Gene#: 3667
NCBI Protein#: NP_005535.1

Background: 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

References:

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

Citation:

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Related Pathway: Akt,MAPK,Insulin/Glucose

Note: For western blotting, incubate membrane with diluted antibody in 5% nonfat milk, 1X TBS, 0.1% Tween-20 at 4°C with gentle shaking, overnight.

Recommended Dilutions:

Western blotting 1:500~1:1000

