IRS-1(Phospho-Ser639) Antibody

Catalog No: #11231

Package Size: #11231-1 50ul #11231-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

Product Name	IRS-1(Phospho-Ser639) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatogramphy using non-phosphopeptide.
Applications	WB IHC
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous level of IRS-1 only when phosphorylated at serine 639.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around phosphorylation site of serine 639 (P-K-S(p)-V-S) derived from Human IRS-1.
Target Name	IRS-1
Modification	Phospho
Other Names	IRS-1; IRS1;
Accession No.	Swiss-Prot: P35568NCBI Protein: NP_005535.1
Uniprot	P35568
GeneID	3667;
Concentration	1.0mg/ml
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.

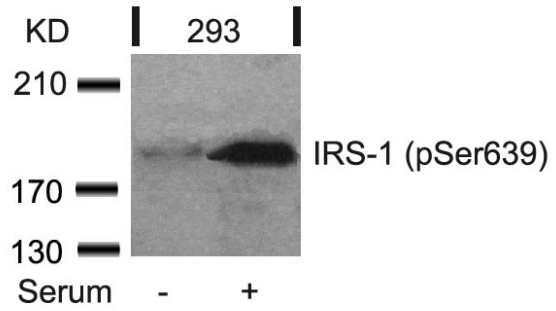
Application Details

Predicted MW: 180kd

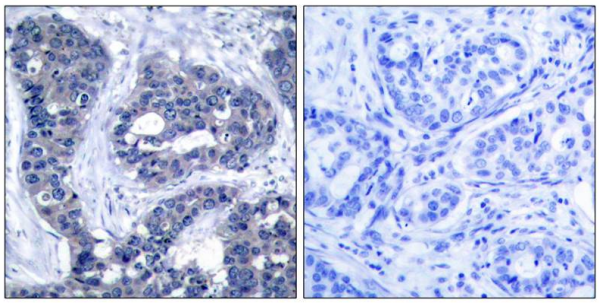
Western blotting: 1:500~1:1000

Immunohistochemistry: 1:50~1:100

Images



Western blot analysis of extracts from 293 cells untreated or treated with serum using IRS-1(Phospho-Ser639) Antibody #11231.



Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using IRS-1(Phospho-Ser639) Antibody #11231(left) or the same antibody preincubated with blocking peptide(right).

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

Ozes ON, et al. (2001) Proc Natl Acad Sci U S A; 98(8): 4640-4645

Tzatsos A, et al. (2006) Mol Cell Biol; 26(1): 63-76

Steppan CM, et al. (2005) Mol Cell Biol; 25(4): 1569-1575

Batty IH, et al. (2004) Biochem J; 379(Pt 3): 641-651

Note: This product is for in vitro research use only