IRS-1(Phospho-Ser639) Antibody

Catalog No: #11231

Package Size: #11231-1 50ul #11231-2 100ul #11231-4 25ul

Overview

Product Name	IRS-1(Phospho-Ser639) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Applications	WB IHC
Species Reactivity	Hu Ms Rt
Immunogen Type	Peptide-KLH
Target Name	IRS-1
Modification	Phospho-Ser639
Alternative Names	IRS-1; IRS1;

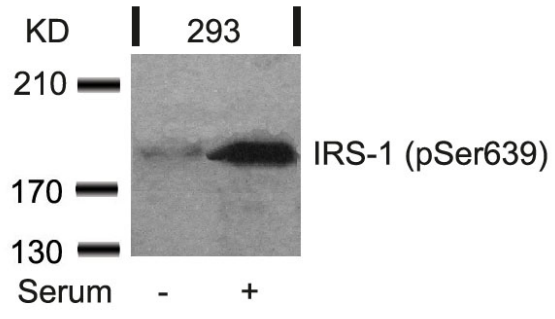
Application Details

Predicted MW: 180kd

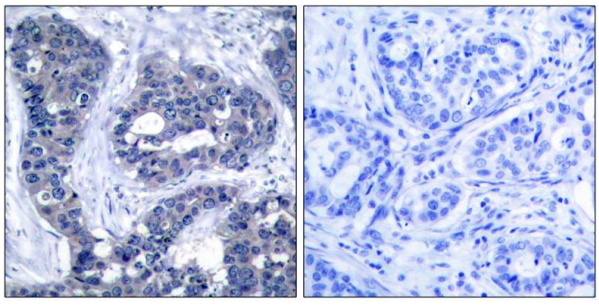
Western blotting: 1:500~1:1000

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).

Descriptions

Immunogen	Peptide sequence around phosphorylation site of serine 639 (P-K-S(p)-V-S) derived from Human IRS-1.
Specificity	The antibody detects endogenous level of IRS-1 only when phosphorylated at serine 639.
Purifiction	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.
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

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