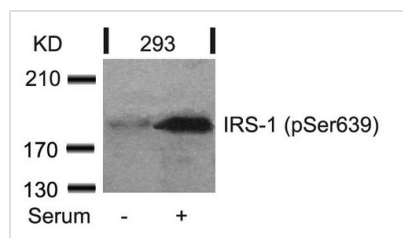




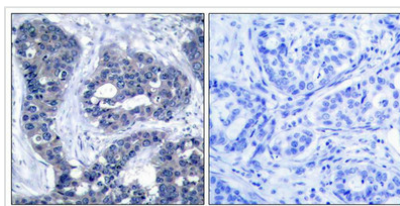
Phospho-IRS1 (Ser639) Antibody

Product Code	CSB-PA004394
Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Uniprot No.	P35568
Immunogen	Peptide sequence around phosphorylation site of serine 639 (P-K-S(p)-V-S) derived from Human IRS-1.
Raised In	Rabbit
Species Reactivity	Human,Mouse,Rat
Specificity	The antibody detects endogenous level of IRS-1 only when phosphorylated at serine 639.
Tested Applications	ELISA,WB,IHC;WB:1:500-1:1000,IHC:1:50-1:100
Relevance	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
Form	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purification Method	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 chromatography usi
Clonality	Polyclonal
Alias	IRS-1; IRS1;
Product Type	Polyclonal Antibody
Species	Homo sapiens (Human)
Target Names	IRS1

Image



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



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

Product Modify

Phospho-Ser639