

## 35-1216: Polyclonal Antibody to IRS-1 (Phospho-Ser639)

<b>Clonality :</b>	Polyclonal
<b>Application :</b>	IHC,WB
<b>Reactivity :</b>	Rat,Mouse,Human
<b>Gene :</b>	IRS1
<b>Gene ID :</b>	3667
<b>Uniprot ID :</b>	P35568
<b>Format :</b>	Purified
<b>Alternative Name :</b>	IRS-1, IRS1
<b>Isotype :</b>	Rabbit IgG
<b>Immunogen Information :</b>	Peptide sequence around phosphorylation site of serine 639 (P-K-S(p)-V-S) derived from Human IRS-1.

### Description

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

### Product Info

<b>Amount :</b>	50 $\mu$ l / 100 $\mu$ l
<b>Content :</b>	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
<b>Storage condition :</b>	Store the antibody at 4°C, stable for 6 months. For long-term storage, store at -20°C. Avoid repeated freeze and thaw cycles.

### Application Note

Predicted MW: 180kd, Western blotting: 1:500~1:1000, Immunohistochemistry: 1:50~1:100

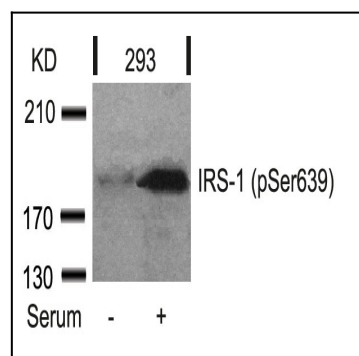


Figure 1: Western blot analysis of extracts from 293 cells untreated or treated with serum using IRS-1(Phospho-Ser639) Antibody 35-1216 .

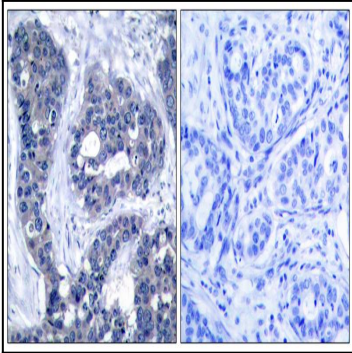


Figure 2: Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using IRS-1(Phospho-Ser639) Antibody 35-1216 (left) or the same antibody preincubated with blocking peptide(right).