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

Clonality: Polyclonal Application: IHC,WB

Reactivity: Rat, Mouse, Human

 Gene :
 IRS1

 Gene ID :
 3667

 Uniprot ID :
 P35568

 Format :
 Purified

 Alternative Name :
 IRS-1, IRS1

 Isotype :
 Rabbit IgG

Immunogen Information : 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**

**Amount**: 50 μl / 100 μl

Content: 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 condition:

Storage condition:

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

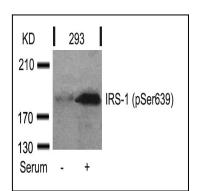


Figure 1: Western blot analysis of extracts from 293 cells untreated or treated with serum using IRS-1(Phospho-Ser639) Antibody 35-1216.



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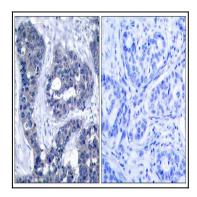


Figure 2: Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using IRS-1(Phospho-Ser639) Antibody 35-1216 (left) or the same antibody preincubated with blocking peptide(right).