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## 35-1215: Polyclonal Antibody to IRS-1 (Phospho-Ser636)

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 636 (P-M-S(p)-P-K) 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 :** 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

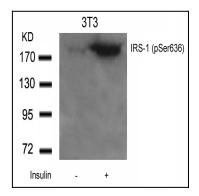


Figure 1: Western blot analysis of extracts from 3T3 cells untreated or treated with Insulin using IRS-1(Phospho-Ser636) Antibody 35-1215 .



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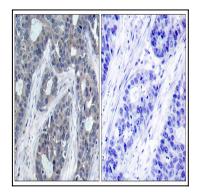


Figure 2: Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using IRS-1(Phospho-Ser636) Antibody 35-1215 (left) or the same antibody preincubated with blocking peptide(right).