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## 35-1137: Polyclonal Antibody to IRS-1(Phospho-Ser312)

**Clonality:** Polyclonal

**Application:** WB

**Reactivity:** Rat, Mouse, Human

Gene : IRS1
Gene ID : 3667
Uniprot ID : P35568
Format : Purified

Alternative Name: HIRS-1, IRS1, Insulin receptor substrate 1

**Isotype:** Rabbit IgG

Immunogen Information: Peptide sequence around phosphorylation site of serine 312 (A-T-S(p)-P-A) 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

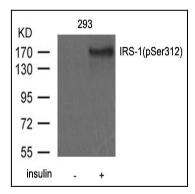


Figure 1: Western blot analysis of extract from 293 cells untreated or treated with insulin using IRS-1(Phospho-Ser312) Antibody 35-1137.