

## 35-1562: Polyclonal Antibody to IRS-1 (Ab-639)

<b>Clonality :</b>	Polyclonal
<b>Application :</b>	WB,IF
<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 aa.637~641 (P-K-S-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 Tzatsos A, et al. (2006) Mol Cell Biol; 26(1): 63-76 Kadowaki T, et al. (2000) J Clin Invest; 106(4): 459-465 Ozes ON, et al. (2001) Proc Natl Acad Sci U S A; 98(8): 4640-4645 Szanto I, et al. (2000) Proc Natl Acad Sci U S A; 97(5): 2355-2360

### 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, Immunofluorescence: 1:100~1:200

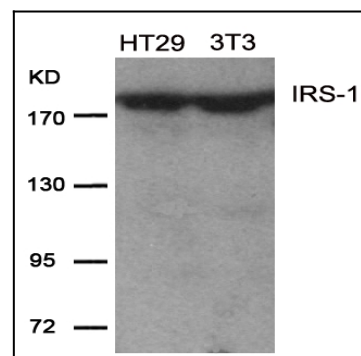


Figure 1: Western blot analysis of extracts from HT29 and 3T3 cells using IRS-1(Ab-639) Antibody 35-1562 .

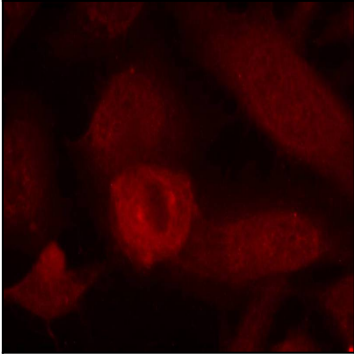


Figure 2: Immunofluorescence staining of methanol-fixed HeLa cells using IRS-1(Ab-639) Antibody 35-1562 .