

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

| | |
|--------------------------------|--|
| Clonality : | Polyclonal |
| Application : | WB,IF |
| 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 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

| | |
|----------------------------|--|
| Amount : | 50 μ l / 100 μ l |
| Content : | Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), 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, Immunofluorescence: 1:100~1:200

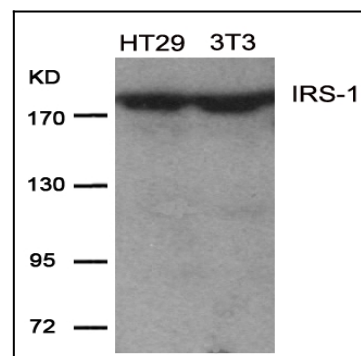


Figure 1: Western blot analysis of extracts from HT29 and 3T3 cells using IRS-1(Ab-639) Antibody 35-1562 .

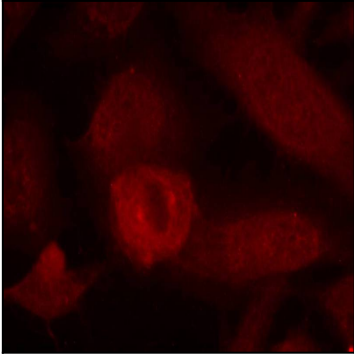


Figure 2: Immunofluorescence staining of methanol-fixed HeLa cells using IRS-1(Ab-639) Antibody 35-1562 .