

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 µl / 100 µl
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

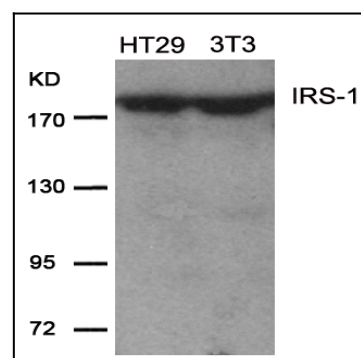


Figure 1: Western blot analysis of extracts from HT29 and 3T3 cells using IRS-1(Ab-639) Antibody 35-1562 .

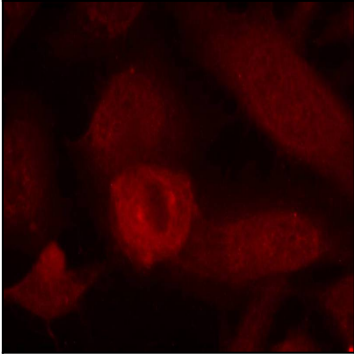


Figure 2: Immunofluorescence staining of methanol-fixed HeLa cells using IRS-1(Ab-639) Antibody 35-1562 .