IRS-1(Ab-639) Antibody

Catalog No: #AB21224

Package Size: #AB21224-1 50ul #AB21224-2 100ul #AB21224-4 25ul

Orders: order@abscitech.com
Support: tech@abscitech.com

Description

Product Name	IRS-1(Ab-639) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic peptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific peptide.
Applications	WB IF
Species Reactivity	Human Mouse Rat
Specificity	The antibody detects endogenous level of total IRS-1 protein.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around aa.637~641 (P-K-S-V-S) derived from Human IRS-1.
Target Name	IRS-1
Other Names	IRS-1; IRS1;
Accession No.	Swiss-Prot: P35568NCBI Protein: NP_005535.1
Concentration	1.0mg/ml
Formulation	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	Store at -20°C for long term preservation (recommended). Store at 4°C for short term use.

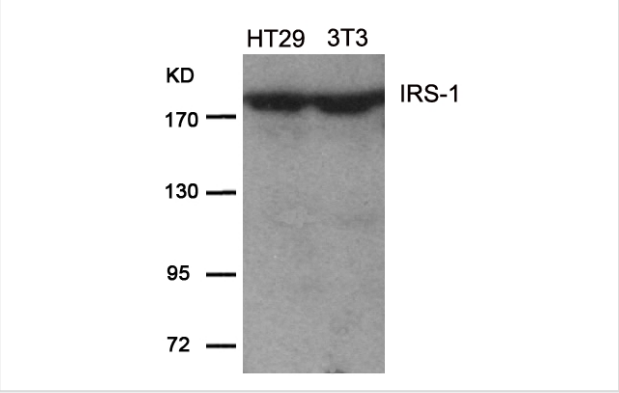
Application Details

Predicted MW: 180kd

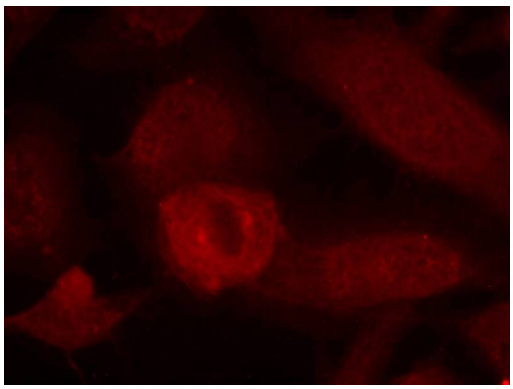
Western blotting: 1:500~1:1000

Immunofluorescence: 1:100~1:200

Images



Western blot analysis of extracts from HT29 and 3T3 cells using IRS-1(Ab-639) Antibody #AB21224.



Immunofluorescence staining of methanol-fixed Hela cells using IRS-1(Ab-639) Antibody #AB21224.

Background

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

Note: This product is for in vitro research use only and is not intended for use in humans or animals.