IRS-1(Ab-639) Antibody

Catalog No: #21224

Package Size: #21224-1 50ul #21224-2 100ul



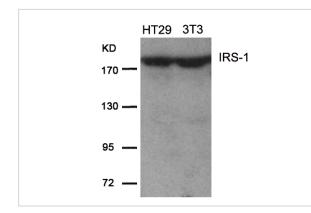
Orders: order@signalwayantibody.com Support: tech@signalwayantibody.com

Product NameIRS-1(Ab-639) AntibodyHost SpeciesRabitClonalityPolyclonalPurificationAntibodies were produced by immunizing rabits with synthetic peptide and KLH conjugates. Antibodies were profiled by affinity-chromatography using epitope-specific peptide.ApplicationsWB IFSpecies ReactivityHu Ms RtSpecificityThe antibody detects endogenous level of total IRS-1 protein.Immunogen TypePeptide-KLHImmunogen DescriptionPeptide sequence around aa.637-641 (P-K-S-V-S) derived from Human IRS-1.Target NameIRS-1Other NamesISS-1UniprotPostoS68NCBI Protein: NP_005535.1Uniprot3568GeneID3667;Concentration1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% avium azide and 50% glycerol.StorageStorage*Core for long term preservation (recommended). Store at 4°C for short term use.	Description	
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 Hu Ms Rt   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 Swiss-Prot: P35568NCBI Protein: NP_005535.1   Uniprot Swiss-Prot: P35568NCBI Protein: NP_005535.1   Uniprot 3667;   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% apdium azide and 50% glycerol.	Product Name	IRS-1(Ab-639) Antibody
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GeneID   3667;     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.	Accession No.	Swiss-Prot: P35568NCBI Protein: NP_005535.1
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sodium azide and 50% glycerol.	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%
Storage Store at -20°C for long term preservation (recommended). Store at 4°C for short term use.		sodium azide and 50% glycerol.
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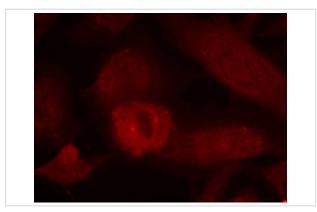
## Application Details

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 #21224.



Immunofluorescence staining of methanol-fixed Hela cells using IRS-1(Ab-639) Antibody #21224.

## 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