

IRS-1(Ab-636) Antibody

Catalog No: #21223

Package Size: #21223-1 50ul #21223-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

Description

| | |
|-----------------------|---|
| Product Name | IRS-1(Ab-636) 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 IHC 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.634~638 (P-M-S-P-K) derived from Human IRS-1. |
| Target Name | IRS-1 |
| Other Names | IRS-1; IRS1; |
| Accession No. | Swiss-Prot: P35568NCBI Protein: NP_005535.1 |
| Uniprot | P35568 |
| GeneID | 3667; |
| Concentration | 1.0mg/ml |
| Formulation | 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 | Store at -20°C for long term preservation (recommended). Store at 4°C for short term use. |

Application Details

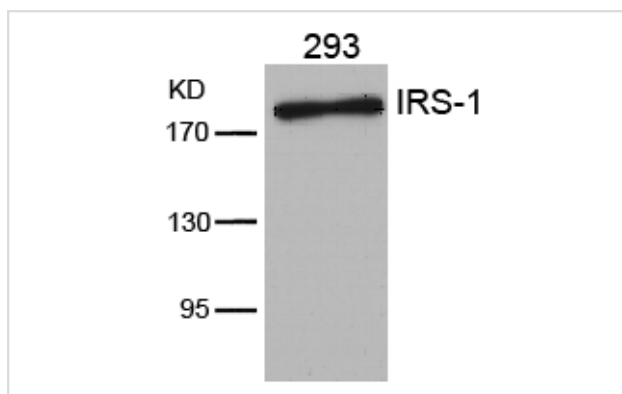
Predicted MW: 180kd

Western blotting: 1:500~1:1000

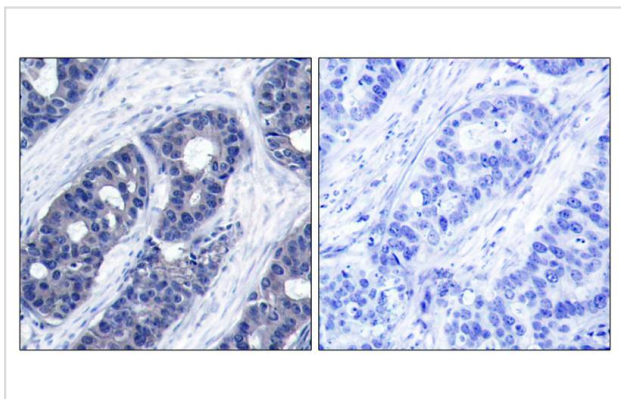
Immunohistochemistry: 1:50~1:100

Immunofluorescence: 1:100~1:200

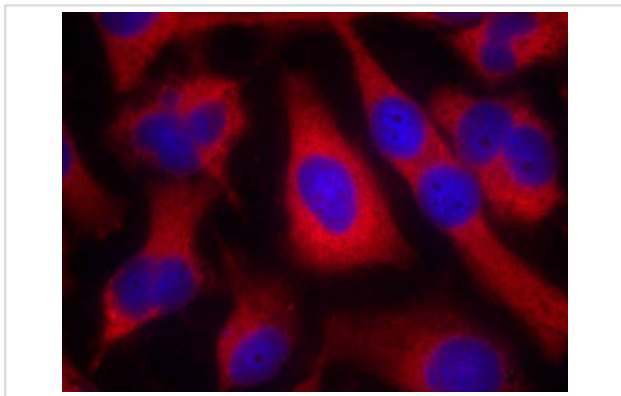
Images



Western blot analysis of extracts from 293 cells using IRS-1(Ab-636) Antibody #21223.



Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using IRS-1(Ab-636) Antibody #21223(left) or the same antibody preincubated with blocking peptide(right).



Immunofluorescence staining of methanol-fixed HeLa cells using IRS-1(Ab-636) Antibody #21223.

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

Ozes ON, et al. (2001) Proc Natl Acad Sci U S A; 98(8): 4640-4645

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