Product Datasheet

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
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

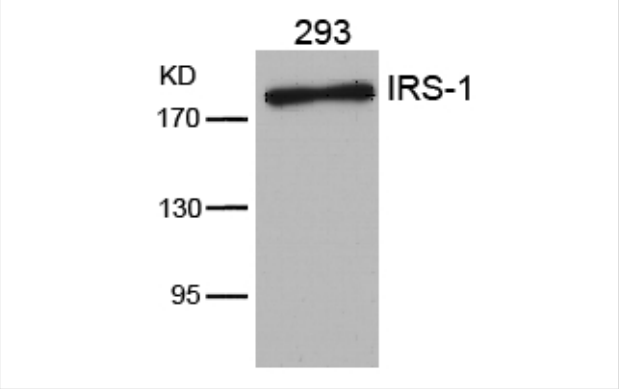
Predicted MW: 180kd

Western blotting: 1:500~1:1000

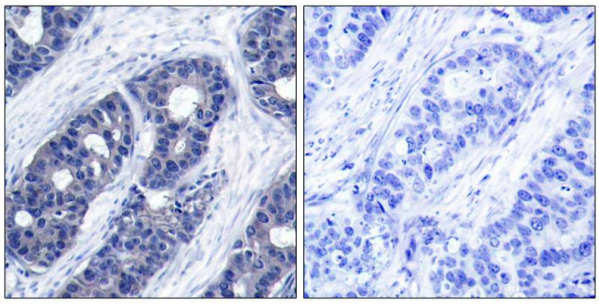
Immunohistochemistry: 1:50~1:100

Immunofluorescence: 1:100~1:200

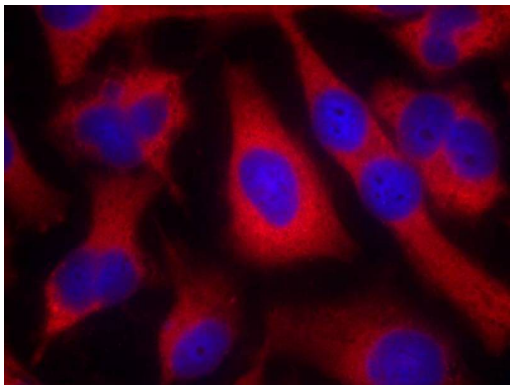
Images



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

Published Papers

el at., The role of mitochondrial oxidative stress in the metabolic alterations in diet-induced obesity in rats. In FASEB J on 2019 Nov by Mar n-Royo G, Rodr guez C, et al..PMID:31370681, , (2019)

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el at., Metabolic inflammation exacerbates dopaminergic neuronal degeneration in response to acute MPTP challenge in type 2 diabetes mice.In Exp Neurol.On 2014 Jan by Wang L, Zhai YQ et al..PMID:24220636, , (2014)

PMID:24220636

el at., A Preliminary Investigation of the Mechanisms Underlying the Effect of Berberine in Preventing High-Fat Diet-Induced Insulin Resistance in Rats.In J Physiol Pharmacol on 2012 Oct by J-J Gu, F-Y Gao, et al..PMID:23211304, , (2012)

PMID:23211304

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