

IRS-1 Antibody

Catalog No: #33191



Package Size: #33191-1 50ul #33191-2 100ul

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

Description

Product Name	IRS-1 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Applications	WB IHC IF
Species Reactivity	Human;Mouse
Specificity	The antibody detects endogenous levels of total IRS-1 protein.
Immunogen Type	Peptide
Immunogen Description	Synthesized non-phosphopeptide derived from human IRS-1 around the phosphorylation site of serine 312 (A-T-S(p)-P-A).
Conjugates	Unconjugated
Target Name	IRS-1
Other Names	Insulin receptor substrate-1; IRS-1; IRS1;
Accession No.	Swiss-Prot: P35568NCBI Gene ID: 3667
SDS-PAGE MW	180kd
Concentration	1.0mg/ml
Formulation	Rabbit IgG 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

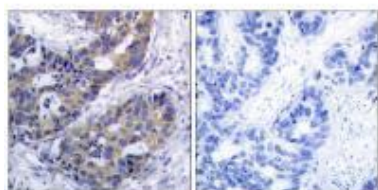
Application Details

Western blotting: 1:500~1:3000

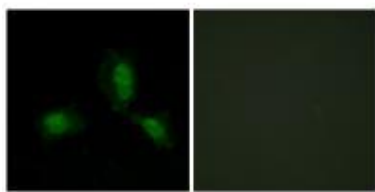
Immunohistochemistry: 1:50~1:100

Immunofluorescence: 1:100~1:500

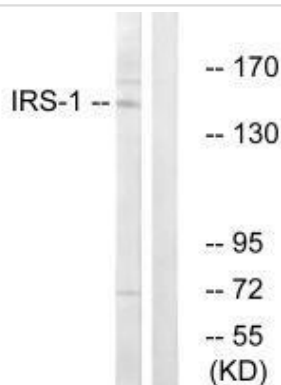
Images



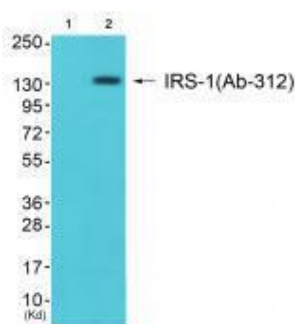
Immunohistochemistry analysis of paraffin-embedded human breast carcinoma tissue, using IRS-1 (Ab-312) antibody #33191.



Immunofluorescence analysis of HeLa cells, using IRS-1 (Ab-312) antibody #33191.



Western blot analysis of extracts from NIH-3T3 cells, using IRS-1 (Ab-312) antibody #33191.



Western blot analysis of extracts from JK cells (Lane 2), using IRS-1 (Ab-312) antibody #33191. The lane on the left is treated with synthesized peptide.

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 By similarity.

Araki E., Diabetes 42:1041-1054(1993).

Nishiyama M., Biochem. Biophys. Res. Commun. 183:280-285(1992).

The MGC Project Team; Genome Res. 14:2121-2127(2004)

Published Papers

el at., Liraglutide Ameliorates Hyperhomocysteinemia-Induced Alzheimer-Like Pathology and Memory Deficits in Rats via Multi-molecular Targeting. In Neurosci Bull on 2019 Jan 10 by Zhang Y, Xie JZ, et al..PMID: 30632006, , (2019)

[PMID:30632006](https://pubmed.ncbi.nlm.nih.gov/30632006/)

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