

IRS-1 Antibody | anti-IRS-1 antibody

IRS-1 (Phospho-Ser312) Antibody

CATALOG # AAA110522	REACTIVITY Human, Mouse, Rat	APPLICATIONS ELISA, Immunofluorescence, Western Blot
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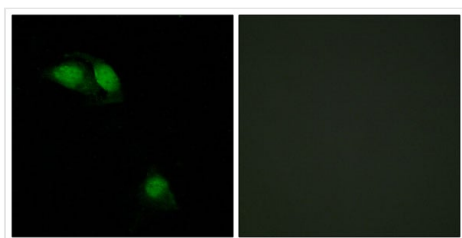
PRODUCT SYNONYMS

IRS-1; IRS-1 (Phospho-Ser312) Antibody; Insulin receptor substrate-1; IRS1; anti-IRS-1 antibody

PRODUCT SPECIFICATIONS

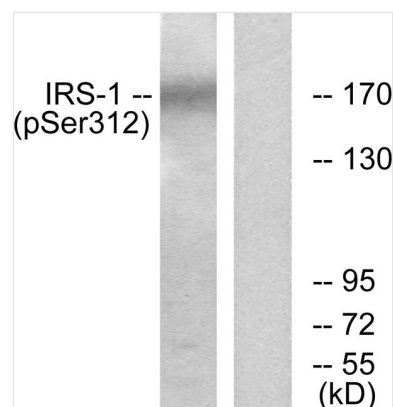
Reactivity	Human, Mouse, Rat
Specificity	IRS-1 (Phospho-Ser312) antibody detects endogenous levels of IRS-1 only when phosphorylated at serine 312.
Purity/Purification	Affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific phosphopeptide. The antibody against non-phosphopeptide was removed by chromatography using non-phosphopeptide corresponding to the phosphorylation site.
Form/Format	In phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Sequence Length	1242
Applicable Applications for anti-IRS-1 antibody	ELISA, IF (Immunofluorescence), WB (Western Blot)
Immunogen	The antiserum was produced against synthesized phosphopeptide derived from human IRS-1 around the phosphorylation site of serine 312 (A-T-SP-P-A).
All Sites	Human: Ser24 Mouse: Ser24 Rat: Ser24
Preparation and Storage	Store at -20 degree C for 1 year.

IMAGES



WB (Western Blot)

Peptide- Western blot analysis of extracts from HT-29 cells, using IRS-1 (Phospho-Ser312) antibody. Immunofluorescence analysis of HeLa cells, using IRS-1 (Phospho-Ser312) antibody.



Application Data

ADDITIONAL INFORMATION

Product Categories/Family for anti-IRS-1 antibody	Autophagy antibody; Cancer; Cardiovascular; Cell Biology; Epigenetics & Nuclear Signaling; Developmental Biologys; Immunology; Drug Discovery Products; Metabolism; Neuroscience; Signal Transduction; Stem Cells
References	Araki E., Diabetes 42:1041-1054(1993). Nishiyama M., Biochem. Biophys. Res. Commun. 183:280-285(1992). Smith L.K., Biochem. Biophys. Res. Commun. 196:767-772(1993).

NCBI AND UNIPROT INFORMATION

NCBI GI #	5031805
NCBI GeneID	3667
NCBI Accession #	NP_005535.1
NCBI GenBank Nucleotide #	NM_005544.2
UniProt Accession #	P35568
Molecular Weight	131,591 Da
NCBI Official Full Name	insulin receptor substrate 1
NCBI Official Synonym Full Names	insulin receptor substrate 1
NCBI Official Symbol	IRS1
NCBI Official Synonym Symbols	HIRS-1
NCBI Protein Information	insulin receptor substrate 1
UniProt Protein Name	Insulin receptor substrate 1
UniProt Gene Name	IRS1
UniProt Synonym Gene Names	IRS-1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/human-mouse-rat-antibody/irs-1/110522>