

IRS-1 Antibody | anti-IRS-1 antibody

IRS-1 (Phospho-Ser639) Antibody

CATALOG # AAA267141	REACTIVITY Human, Mouse, Rat	APPLICATIONS ELISA, Immunohistochemistry, Western Blot
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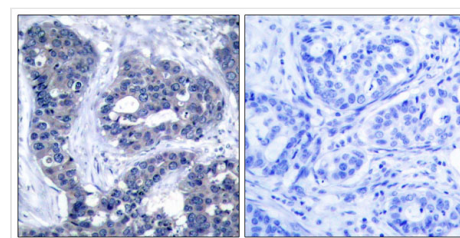
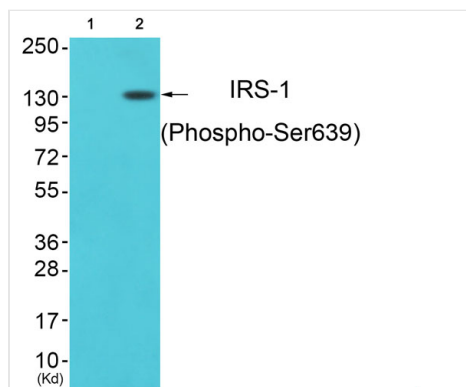
PRODUCT SYNONYMS

IRS-1; IRS-1 (Phospho-Ser639) Antibody; IRS1; Insulin receptor substrate-1; anti-IRS-1 antibody

PRODUCT SPECIFICATIONS

Reactivity	Human, Mouse, Rat
Specificity	IRS-1 (phospho-Ser639) antibody detects endogenous levels of IRS-1 only when phosphorylated at serine 639.
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, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	The antiserum was produced against synthesized phosphopeptide derived from human IRS-1 around the phosphorylation site of serine 639 (P-K-SP-V-S).
All Sites	Human: Ser639 Mouse: Ser 635 Rat: Ser 635
Preparation and Storage	Store at -20 degree C for 1 year

IMAGES



Application Data
P-peptide-+

IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue, using IRS-1 (phospho-Ser639) antibody. Western blot analysis of extracts from HepG2 cells, using IRS-1 (phospho-Ser639) antibody.

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	Ozes ON, et al. (2001) Proc Natl Acad Sci USA; 98(8): 4640-4645. Tzatsos A, et al. (2006) Mol Cell Biol; 26(1): 63-76. Steppan CM, et al. (2005) Mol Cell Biol; 25(4): 1569-1575. Batty IH, et al. (2004) Biochem J; 379(Pt 3): 641-651.

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://stage.aaabiotech.com/human-mouse-rat-antibody/irs-1/267141>