

IRS-1 Antibody | anti-IRS-1 antibody

IRS-1 (Phospho-Ser307) Antibody

CATALOG # AAA267738	REACTIVITY Human, Mouse, Rat	APPLICATIONS ELISA, Immunofluorescence, Immunohistochemistry, Western Blot
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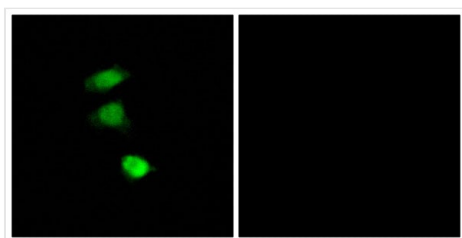
PRODUCT SYNONYMS

IRS-1; IRS-1 (Phospho-Ser307) Antibody; Insulin receptor substrate-1; IRS1; anti-IRS-1 antibody

PRODUCT SPECIFICATIONS

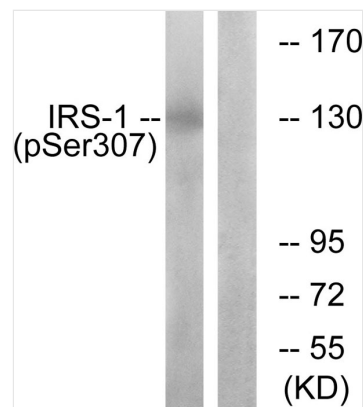
Reactivity	Human, Mouse, Rat
Specificity	IRS-1 (Phospho-Ser307) antibody detects endogenous levels of IRS-1 only when phosphorylated at serine 307.
Purity/Purification	Affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific phosphopeptide. The antibody against non-phosphopeptide 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), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	The antiserum was produced against synthesized phosphopeptide derived from human IRS-1 around the phosphorylation site of serine 307 (T-E-SP-I-T).
All Sites	Human: Ser307 Mouse: Ser302 Rat: Ser302
Preparation and Storage	Store at -20 degree C for 1 year.

IMAGES



Application Data

P-peptide-+ Immunofluorescence analysis of COS-7 cells, using IRS-1 (Phospho-Ser307) antibody.



WB (Western Blot)

Western blot analysis of extracts from K562 cells, using IRS-1 (Phospho-Ser307) antibody.

ADDITIONAL INFORMATION

References	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).
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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-1/267738>