

Rabbit anti-Human, Mouse IRS-1 Polyclonal Antibody | anti-IRS-1 antibody

IRS-1 (Ab-312) Antibody

CATALOG # AAA304405	HOST Rabbit	REACTIVITY Human, Mouse	APPLICATIONS Immunofluorescence, Immunohistochemistry, Western Blot
-------------------------------	-----------------------	-----------------------------------	---

PRODUCT SYNONYMS

IRS-1; Polyclonal Antibody; IRS-1 (Ab-312) Antibody; Insulin receptor substrate-1; IRS1; anti-IRS-1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Specificity	The antibody detects endogenous levels of total IRS-1 protein.
Purity/Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Form/Format	Rabbit IgG in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1.0 mg/ml (varies by lot)
Sequence Length	1242
Applicable Applications for anti-IRS-1 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
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).
Target Name	IRS-1
Preparation and Storage	Store at -20 degree C

IMAGES



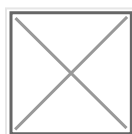
WB (Western Blot)

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



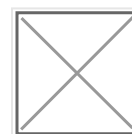
WB (Western Blot)

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



IF (Immunofluorescence)

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



IHC (Immunohistochemistry)

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

ADDITIONAL INFORMATION

Related Product Information for anti-IRS-1 antibody	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)
Product Categories/Family for anti-IRS-1 antibody	Total protein Ab

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
UniProt Entry Name	IRS1_HUMAN

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/irs-1-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/304405>