

Rabbit anti-Human, Mouse IRS1 Polyclonal Antibody | anti-IRS1 antibody

Rabbit anti-IRS1 Antibody, Affinity Purified

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA211338	Rabbit	Human, Mouse	Immunohistochemistry, Immunoprecipitation, Western Blot

PRODUCT SYNONYMS

IRS1; Polyclonal Antibody; Rabbit anti-IRS1 Antibody; Affinity Purified; HIRS-1; insulin receptor substrate 1; IRS-1; Insulin receptor substrate 1; anti-IRS1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Purity/Purification	Antigen Affinity Purified
Form/Format	Liquid. Whole IgG. Tris-buffered Saline containing 0.1% BSA and 0.09% Sodium Azide
Concentration	200ug/ml (varies by lot)
Applicable Applications for anti-IRS1 antibody	IHC (Immunohistochemistry), IP (Immunoprecipitation), WB (Western Blot)
Immunogen	Between 1192 and C-terminus
Conjugation	Unconjugated
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt

IMAGES



WB (Western Blot)

Detection of human and mouse IRS1 by western blot (h&m) and immunoprecipitation (h).
Samples: Whole cell lysate from HeLa (5, 15 and 50 ug for WB; 1 mg for IP, 20% of IP loaded), HEK293T (T; 50 ug) and mouse NIH 3T3 (M; 50 ug) cells. Antibodies: Affinity purified rabbit anti-IRS1 antibody AAA211338 used for WB at 0.04 ug/ml (A) and 1.0 ug/ml (B) and used for IP at 3 ug/mg lysate. IRS1 was also immunoprecipitated by rabbit anti-IRS1 antibody which recognizes an upstream epitope. Detection: Chemiluminescence with exposure times of 10 seconds (A and B).



IHC (Immunohistochemistry)

Detection of human IRS1 by immunohistochemistry. Sample: FFPE section of human breast carcinoma. Antibody: Affinity purified rabbit anti-IRS1 (Cat. No. AAA211338 Lot1) used at a dilution of 1:1,000 (1ug/ml). Detection: DAB

ADDITIONAL INFORMATION

Related Product Information for anti-IRS1 antibody	The insulin receptor substrate 1 (IRS1) is one of four members of the IRS family (IRS1-4) that mediates intracellular signaling downstream of the IGF1 and insulin receptors. Phosphorylation of IRS1 by activated receptors leads to binding of IRS to the SH2 domains of effector proteins such as PI3K, Grb2, nck, and SHP2. The downstream effects of insulin and IGF1 signaling via IRSs on the cell are pleiotropic and include various responses such as glucose transport, glycogen synthesis, protein synthesis, antilipolysis, and gluconeogenesis. Polymorphisms in IRS1 may contribute to the etiology of non-insulin-dependent diabetes mellitus (NIDDM).
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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; IRS-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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/irs1-antibody-immunohistochemistry-immunoprecipitation-western-blot-elisa/211338>