

Rabbit Insulin receptor substrate 1 Polyclonal Antibody | anti-IRS1 antibody

Anti-IRS1 Antibody

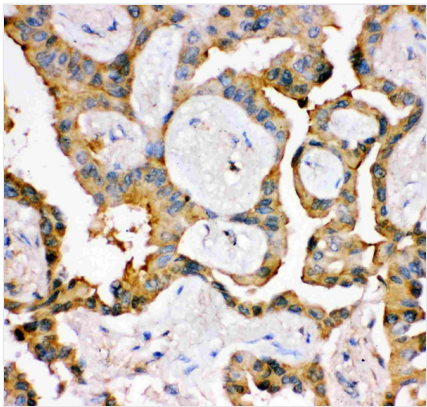
CATALOG # AAA11632	HOST Rabbit	REACTIVITY Human, Mouse, Rat. No cross reactivity with other proteins.	APPLICATIONS Western Blot, Immunohistochemistry
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PRODUCT SYNONYMS

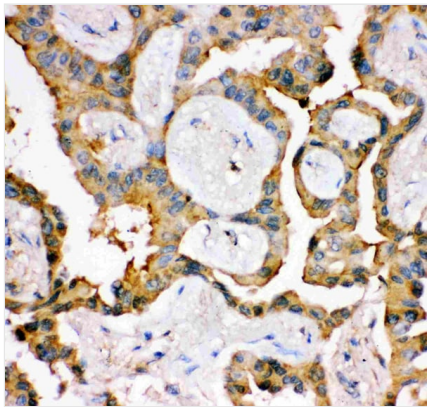
Insulin receptor substrate 1; Polyclonal Antibody; Anti-IRS1 Antibody; HIRS 1 antibody; HIRS1 antibody; Insulin Receptor Substrate 1 antibody; IRS 1 antibody; IRS-1 antibody; IRS1 antibody; IRS1_HUMAN antibody; OTTHUMP00000164234 antibody; insulin receptor substrate 1; anti-IRS1 antibody

PRODUCT SPECIFICATIONS

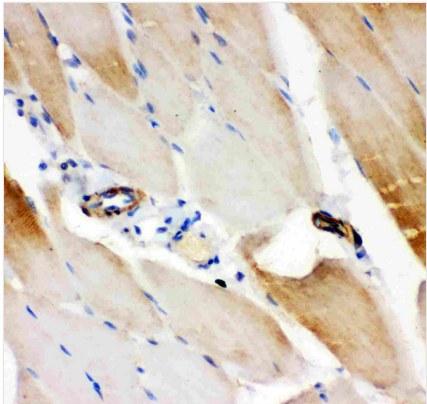
Host	Rabbit
Reactivity	Human, Mouse, Rat. No cross reactivity with other proteins.
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg NaN ₃ .
Sequence Length	1242
Applicable Applications for anti-IRS1 antibody	WB (Western Blot), IHC (Immunohistochemistry)
Application Notes	Western Blot: Concentration: 0.1-0.5µg/ml; Tested Species: Human Immunohistochemistry (Paraffin-embedded Section): Concentration: 0.5-1µg/ml; Tested Species: Human, Mouse, Rat
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500µg/ml.
Immunogen	E.coli-derived human IRS1 recombinant protein (Position: S1041-Q1242). Human IRS1 shares 78% and 80% amino acid (aa) sequences identity with mouse and rat IRS1, respectively.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.



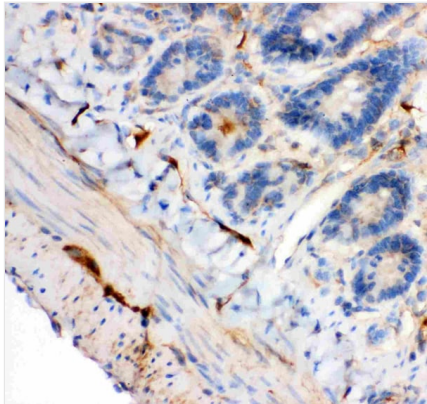
IHC (Immunohistochemistry)
Anti- IRS1 antibody, AAA11632, IHC(P)IHC(P): Human Lung Cancer Tissue



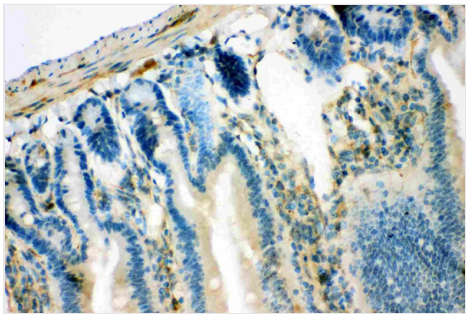
IHC (Immunohistochemistry)
Anti- IRS1 antibody, AAA11632, IHC(P)IHC(P): Human Intestinal Cancer Tissue



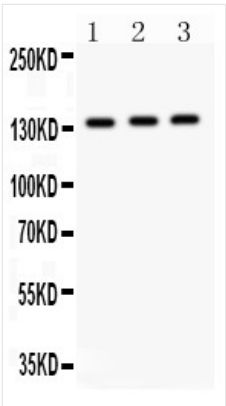
IHC (Immunohistochemistry)
Anti- IRS1 antibody, AAA11632, IHC(P)IHC(P): Rat Skeletal Muscle Tissue



IHC (Immunohistochemistry)
Anti- IRS1 antibody, AAA11632, IHC(P)IHC(P): Rat Intestine Tissue



IHC (Immunohistochemistry)
Anti- IRS1 antibody, AAA11632, IHC(P)IHC(P): Mouse Intestine Tissue



WB (Western Blot)
Anti- IRS1 antibody, AAA11632, Western blottingAll lanes: Anti IRS1 (AAA11632) at 0.5ug/mlLane 1: A549 Whole Cell Lysate at 40ugLane 2: MM453 Whole Cell Lysate at 40ugLane 3: JURKAT Whole Cell Lysate at 40ugPredicted bind size: 132KDObserved bind size: 132KD

ADDITIONAL INFORMATION

Related Product Information for anti-IRS1 antibody	Description: Rabbit IgG polyclonal antibody for Insulin receptor substrate 1(IRS1) detection. Tested with WB, IHC-P in Human;Mouse;Rat. Background: Insulin receptor substrate 1(IRS-1) is a signalling adapter protein that in humans is encoded by the IRS-1 gene. It is mapped to 2q36.3. This gene exhibited no intrinsic enzyme activity, and it can serve as a docking protein involved in binding and activating other signal transduction molecules after being phosphorylated on tyrosine by insulin receptor kinase. IRS1 plays a key role in transmitting signals from the insulin and insulin-like growth factor-1(IGF-1) receptors to intracellular pathways PI3K/Akt and Erk MAP kinase pathways. IRS1 also has important biological function for both metabolic and mitogenic(growth promoting) pathways. In addition to those, IRS1 is a key regulator of PI3K within malignant cells.
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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/insulin-receptor-substrate-1-antibody-western-blot-immunohistochemistry-elisa/11632>