

Anti-IRS1 antibody (1043-1242) (STJ24233)

GENERAL INFORMATION

Product Type	Primary antibodies
Applications	WB/IHC-P/IF/ICC/ELISA
Host / Source	Rabbit
Reactivity	Human/Mouse/Rat

PRODUCT PROPERTIES

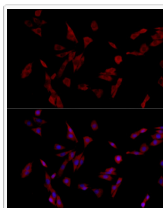
Clonality	Polyclonal
Concentration	Lot specific
Conjugation	Unconjugated
Purification	Affinity purification
Dilution Range	WB:1:500-1:1000 IHC-P:1:50-1:200 IF/ICC:1:50-1:200 ELISA:Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.
Formulation	PBS with 0.05% Proclin300, 50% Glycerol, pH 7.3.
Isotype	IgG
Molecular Weight	Protein Mw: 132kDa Observed Mw: 180kDa
Storage Instruction	Store at -20°C for up to 1 year from the date of receipt, and avoid repeat freeze-thaw cycles.

TARGET INFORMATION

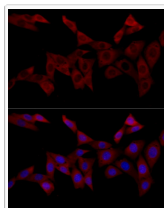
Gene ID	3667
Gene Symbol	IRS1
UniProt ID	IRS1_HUMAN
Immunogen Region	1043-1242
Immunogen Sequence	SPTGPGQAAELAHSLLGG PQGPGGMSAFTRVNLSPNRN QSAKVIRADPQGCRRRHSSE TFSSTPSATRVGNTVPFGAG AAVGGGGGSSSSSEDKRHS SASFENVWLRPGELGGAPKE PAKLCGAAGGLENLNYIDL DLVKDFKQCPQECTPEPQPP PPPPHQPLGSGESSSTRRS SEDL SAYASISFQKQPEDRQ
Specificity	Recombinant fusion protein containing a sequence corresponding to amino acids 1043-1242 of human IRS1 (NP_005535.1).

ADDITIONAL INFORMATION

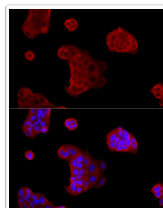
Note	STRICTLY FOR FURTHER SCIENTIFIC RESEARCH USE ONLY (RUO). MUST NOT TO BE USED IN DIAGNOSTIC OR THERAPEUTIC APPLICATIONS.
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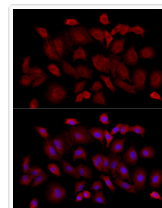
Immunofluorescence analysis of PC-12 cells using IRS1 Rabbit polyclonal antibody (STJ24233) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



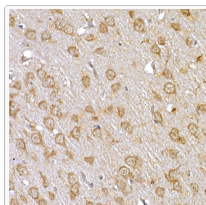
Immunofluorescence analysis of NIH/3T3 cells using IRS1 Rabbit polyclonal antibody (STJ24233) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



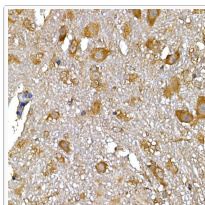
Immunofluorescence analysis of MCF7 cells using IRS1 Rabbit polyclonal antibody (STJ24233) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



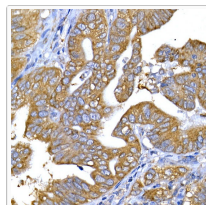
Immunofluorescence analysis of A-549 cells using IRS1 Rabbit polyclonal antibody (STJ24233) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



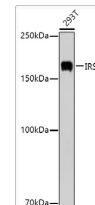
Immunohistochemistry analysis of paraffin-embedded rat brain using IRS1 Rabbit polyclonal antibody (STJ24233) at dilution of 1:100 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with immunohistochemistry staining protocol.



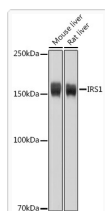
Immunohistochemistry analysis of paraffin-embedded mouse spinal cord using IRS1 Rabbit polyclonal antibody (STJ24233) at dilution of 1:100 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with immunohistochemistry staining protocol.



Immunohistochemistry analysis of paraffin-embedded human lung cancer using IRS1 Rabbit polyclonal antibody (STJ24233) at dilution of 1:100 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with immunohistochemistry staining protocol.



Western blot analysis of extracts of 293T cells, using IRS1 antibody (STJ24233) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (STJS000856) at 1:10000 dilution. Lysates/proteins: 25 μ g per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 10s.



Western blot analysis of extracts of various cell lines, using IRS1 antibody (STJ24233) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (STJS000856) at 1:10000 dilution. Lysates/proteins: 25 μ g per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 1s.