

## IRS-1 Antibody | anti-IRS-1 antibody

IRS-1 (Phospho-Ser312) Antibody

|                               |                                        |                                                                |
|-------------------------------|----------------------------------------|----------------------------------------------------------------|
| CATALOG #<br><b>AAA110522</b> | REACTIVITY<br><b>Human, Mouse, Rat</b> | APPLICATIONS<br><b>ELISA, Immunofluorescence, Western Blot</b> |
|-------------------------------|----------------------------------------|----------------------------------------------------------------|

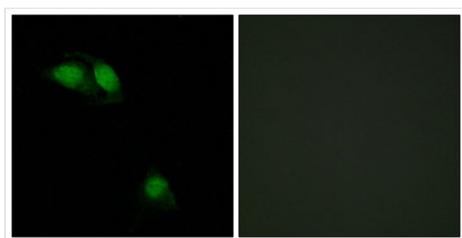
### PRODUCT SYNONYMS

IRS-1; IRS-1 (Phospho-Ser312) Antibody; Insulin receptor substrate-1; IRS1; anti-IRS-1 antibody

### PRODUCT SPECIFICATIONS

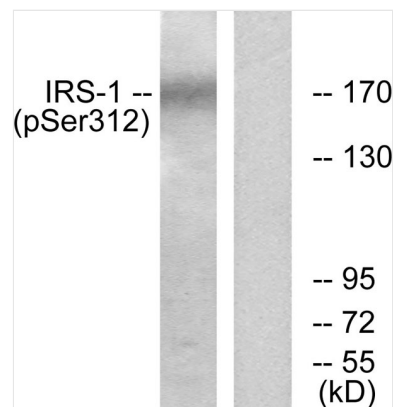
|                                                 |                                                                                                                                                                                                                                                     |
|-------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity                                      | Human, Mouse, Rat                                                                                                                                                                                                                                   |
| Specificity                                     | IRS-1 (Phospho-Ser312) antibody detects endogenous levels of IRS-1 only when phosphorylated at serine 312.                                                                                                                                          |
| 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 <sup>2+</sup> and Ca <sup>2+</sup> ), 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), WB (Western Blot)                                                                                                                                                                                                   |
| Immunogen                                       | The antiserum was produced against synthesized phosphopeptide derived from human IRS-1 around the phosphorylation site of serine 312 (A-T-SP-P-A).                                                                                                  |
| All Sites                                       | Human: Ser24<br>Mouse: Ser24<br>Rat: Ser24                                                                                                                                                                                                          |
| Preparation and Storage                         | Store at -20 degree C for 1 year.                                                                                                                                                                                                                   |

### IMAGES



#### WB (Western Blot)

Peptide- Western blot analysis of extracts from HT-29 cells, using IRS-1 (Phospho-Ser312) antibody. Immunofluorescence analysis of HeLa cells, using IRS-1 (Phospho-Ser312) antibody.



Application Data

ADDITIONAL INFORMATION

|                                                   |                                                                                                                                                                                                                   |
|---------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Categories/Family for anti-IRS-1 antibody | Autophagy antibody; Cancer; Cardiovascular; Cell Biology; Epigenetics & Nuclear Signaling; Developmental Biologys; Immunology; Drug Discovery Products; Metabolism; Neuroscience; Signal Transduction; Stem Cells |
| References                                        | Araki E., Diabetes 42:1041-1054(1993). Nishiyama M., Biochem. Biophys. Res. Commun. 183:280-285(1992). Smith L.K., Biochem. Biophys. Res. Commun. 196:767-772(1993).                                              |

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-1/110522>