

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

IRS-1 (Ab-639) Antibody

|                               |                       |                                        |                                                         |
|-------------------------------|-----------------------|----------------------------------------|---------------------------------------------------------|
| CATALOG #<br><b>AAA302046</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human, Mouse, Rat</b> | APPLICATIONS<br><b>Immunofluorescence, Western Blot</b> |
|-------------------------------|-----------------------|----------------------------------------|---------------------------------------------------------|

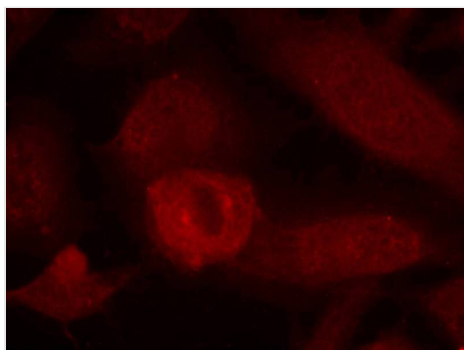
### PRODUCT SYNONYMS

IRS-1; Polyclonal Antibody; IRS-1 (Ab-639) Antibody; IRS1; anti-IRS-1 antibody

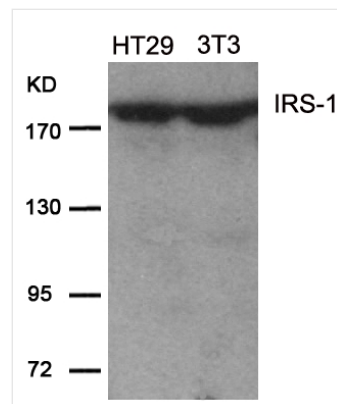
### PRODUCT SPECIFICATIONS

|                                                 |                                                                                                                                                                               |
|-------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                                                                                                        |
| Reactivity                                      | Human, Mouse, Rat                                                                                                                                                             |
| Clonality                                       | Polyclonal                                                                                                                                                                    |
| Specificity                                     | The antibody detects endogenous level of total IRS-1 protein.                                                                                                                 |
| Purity/Purification                             | Antibodies were produced by immunizing rabbits with synthetic peptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific peptide. |
| Form/Format                                     | Supplied at 1.0mg/mL 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.                  |
| Concentration                                   | 1.0 mg/ml (varies by lot)                                                                                                                                                     |
| Sequence Length                                 | 1242                                                                                                                                                                          |
| Applicable Applications for anti-IRS-1 antibody | IF (Immunofluorescence), WB (Western Blot)                                                                                                                                    |
| Immunogen Type                                  | Peptide-KLH                                                                                                                                                                   |
| Immunogen Description                           | Peptide sequence around aa.637~641 (P-K-S-V-S) derived from Human IRS-1.                                                                                                      |
| Target Name                                     | IRS-1                                                                                                                                                                         |
| Preparation and Storage                         | Store at -20 degree C for long term preservation (recommended). Store at 4 degree C for short term use.                                                                       |

### IMAGES


**IF (Immunofluorescence)**

Immunofluorescence staining of methanol-fixed HeLa cells using IRS-1(Ab-639) Antibody.


**WB (Western Blot)**

Western blot analysis of extracts from HT29 and 3T3 cells using IRS-1(Ab-639) 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 |
| 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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/irs-1-antibody-immunofluorescence-western-blot-elisa/302046>