

Datasheet for ABIN5005575

**anti-IRS1 antibody (pSer307) (AbBy Fluor® 680)**[Go to Product page](#)

## Overview

|                      |                                                                                                                                |
|----------------------|--------------------------------------------------------------------------------------------------------------------------------|
| Quantity:            | 100 µL                                                                                                                         |
| Target:              | IRS1                                                                                                                           |
| Binding Specificity: | pSer307                                                                                                                        |
| Reactivity:          | Human, Mouse, Rat, Goat                                                                                                        |
| Host:                | Rabbit                                                                                                                         |
| Clonality:           | Polyclonal                                                                                                                     |
| Conjugate:           | This IRS1 antibody is conjugated to AbBy Fluor® 680                                                                            |
| Application:         | Flow Cytometry (FACS), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)) |

## Product Details

|                       |                                                                                                                       |
|-----------------------|-----------------------------------------------------------------------------------------------------------------------|
| Immunogen:            | KLH conjugated synthetic phosphopeptide derived from human IRS1 around the phosphorylation site of Ser307 [TE(p-S)IT] |
| Isotype:              | IgG                                                                                                                   |
| Specificity:          | This phosphorylation site is homologous to Ser302 in Mouse and Rat.                                                   |
| Cross-Reactivity:     | Goat, Human, Mouse, Rat                                                                                               |
| Predicted Reactivity: | Dog,Cow,Pig,Horse,Rabbit                                                                                              |
| Purification:         | Purified by Protein A.                                                                                                |

### Target Details

|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Target:           | IRS1                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Alternative Name: | IRS-1 ( <a href="#">IRS1 Products</a> )                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Background:       | <p>Synonyms: HIRS-1, Insulin receptor substrate 1, IRS-1, IRS1</p> <p>Background: 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 (By similarity).</p>                                           |
| Gene ID:          | 3667                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| UniProt:          | <a href="#">P35568</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Pathways:         | <a href="#">Fc-epsilon Receptor Signaling Pathway</a> , <a href="#">EGFR Signaling Pathway</a> , <a href="#">Neurotrophin Signaling Pathway</a> , <a href="#">Positive Regulation of Peptide Hormone Secretion</a> , <a href="#">Hormone Transport</a> , <a href="#">Negative Regulation of Hormone Secretion</a> , <a href="#">Response to Growth Hormone Stimulus</a> , <a href="#">Carbohydrate Homeostasis</a> , <a href="#">Regulation of Carbohydrate Metabolic Process</a> |

### Application Details

|                    |                                                                              |
|--------------------|------------------------------------------------------------------------------|
| Application Notes: | FCM 1:20-100<br>IF(IHC-P) 1:50-200<br>IF(IHC-F) 1:50-200<br>IF(ICC) 1:50-200 |
| Restrictions:      | For Research Use only                                                        |

### Handling

|                    |                                                                                                                    |
|--------------------|--------------------------------------------------------------------------------------------------------------------|
| Format:            | Liquid                                                                                                             |
| Concentration:     | 1 µg/µL                                                                                                            |
| Buffer:            | Aqueous buffered solution containing 0.01M TBS ( pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.        |
| Preservative:      | ProClin                                                                                                            |
| Precaution of Use: | This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only. |
| Storage:           | -20 °C                                                                                                             |
| Storage Comment:   | Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.                                  |

Handling

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Expiry Date: 12 months