

**Anti-IRS1 (pS1101) Antibody**  
**Rabbit polyclonal antibody to IRS1 (pS1101)**  
**Catalog # AP59592****Specification**

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**Anti-IRS1 (pS1101) Antibody - Product Information**

Application	WB, IH
Primary Accession	<a href="#">P35568</a>
Other Accession	<a href="#">P35569</a>
Reactivity	Human, Mouse, Rat, Monkey, Pig
Host	Rabbit
Clonality	Polyclonal
Calculated MW	131591

**Anti-IRS1 (pS1101) Antibody - Additional Information****Gene ID** 3667**Other Names**

Insulin receptor substrate 1; IRS-1

**Target/Specificity**

Recognizes endogenous levels of IRS1 (pS1101) protein.

**Dilution**

WB~~WB (1/500 - 1/1000), IH (1/100 - 1/200)

IH~~WB (1/500 - 1/1000), IH (1/100 - 1/200)

**Format**

Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.

**Storage**

Store at -20 °C. Stable for 12 months from date of receipt

**Anti-IRS1 (pS1101) Antibody - Protein Information****Name** IRS1**Function**

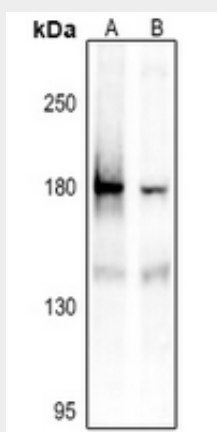
May mediate the control of various cellular processes by insulin. When phosphorylated by the insulin receptor binds specifically to various cellular proteins containing SH2 domains such as phosphatidylinositol 3-kinase p85 subunit or GRB2. Activates phosphatidylinositol 3-kinase when bound to the regulatory p85 subunit (By similarity).

**Anti-IRS1 (pS1101) Antibody - Protocols**

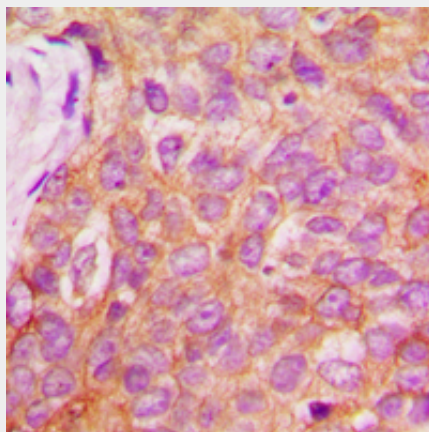
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

#### **Anti-IRS1 (pS1101) Antibody - Images**



Western blot analysis of IRS1 (pS1101) expression in A375 (A), HEK293T (B) whole cell lysates.



Immunohistochemical analysis of IRS1 (pS1101) staining in human breast cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

#### **Anti-IRS1 (pS1101) Antibody - Background**

KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human IRS1. The exact sequence is proprietary.