

Phospho-IRS (Ser616) Antibody (Clone HIR-B1)
Mouse Monoclonal Antibody
Catalog # ABV10082**Specification**

Phospho-IRS (Ser616) Antibody (Clone HIR-B1) - Product Information

Application	WB, E
Primary Accession	P35568
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	Mouse IgG1
Calculated MW	131591

Phospho-IRS (Ser616) Antibody (Clone HIR-B1) - Additional Information**Gene ID** 3667**Application & Usage**

The antibody can be used for indirect ELISA and WB.

Other Names

IRS, phospho-IRS, Phospho-IRS (Ser616)

Target/Specificity

Phospho-IRS

Antibody Form

Liquid

Appearance

Colorless liquid

Formulation

100 µg (1.0 mg/ml) purified mouse monoclonal antibody supplied in PBS with 0.05% (W/V) sodium azide.

Handling

The antibody solution should be gently mixed before use.

Reconstitution & Storage

-20 °C

Background Descriptions**Precautions**

Phospho-IRS (Ser616) Antibody (Clone HIR-B1) is for research use only and not for use in diagnostic or therapeutic procedures.

Phospho-IRS (Ser616) Antibody (Clone HIR-B1) - 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).

Phospho-IRS (Ser616) Antibody (Clone HIR-B1) - 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](#)

Phospho-IRS (Ser616) Antibody (Clone HIR-B1) - Images

Phospho-IRS (Ser616) Antibody (Clone HIR-B1) - Background

Insulin receptor substrates (IRS) subtypes are responsible for several insulin related activities, such as glucose homeostasis, cell growth, cell transformation, apoptosis and insulin signal transduction. The balance between Ser/Thr phosphorylation of IRS has been demonstrated to be an important regulator of insulin signaling. IRS1 has also been shown to be constitutively activated in cancers such as breast cancer, Wilm's tumors, and adrenal cortical carcinomas. Does not recognize IRS peptide NOT phosphorylated at Ser616 and will not recognize IRS peptide phosphorylated at Tyr183. Also does not react with riboflavin carrier protein which is known to have multiple phosphate groups.