

## Phospho-IRS2(Y978) Antibody Blocking peptide

Synthetic peptide Catalog # BP3596a

## **Specification**

Phospho-IRS2(Y978) Antibody Blocking peptide - Product Information

Primary Accession <a href="Q9Y4H2">Q9Y4H2</a>

Phospho-IRS2(Y978) Antibody Blocking peptide - Additional Information

**Gene ID 8660** 

#### **Other Names**

Insulin receptor substrate 2, IRS-2, IRS2

## **Target/Specificity**

The synthetic peptide sequence used to generate the antibody <a href=/products/AP3596a>AP3596a</a> was selected from the region of human Phospho-IRS2-pY978. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

### **Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

#### Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

#### **Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

Phospho-IRS2(Y978) Antibody Blocking peptide - Protein Information

Name IRS2

### **Function**

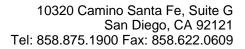
May mediate the control of various cellular

# Phospho-IRS2(Y978) Antibody Blocking peptide - Background

Insulin receptor substrate 2, a cytoplasmic signaling molecule that mediates effects of insulin, insulin-like growth factor 1, and other cytokines by acting as a molecular adaptor between diverse receptor tyrosine kinases and downstream effectors. This protein is phosphorylated by the insulin receptor tyrosine kinase upon receptor stimulation, as well as by an interleukin 4 receptor-associated kinase in response to IL4 treatment.

# Phospho-IRS2(Y978) Antibody Blocking peptide - References

Hagg, D.A., Int. J. Mol. Med. 21 (6), 697-704 (2008) Platanias, L.C., J. Biol. Chem. 271 (1), 278-282 (1996) Sun, X.J., Nature 377 (6545), 173-177 (1995)





processes by insulin.

**Cellular Location** Cytoplasm, cytosol.

Phospho-IRS2(Y978) Antibody Blocking peptide - Protocols

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

• Blocking Peptides