

Phospho-IRS2(Y978) Antibody
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP3596a

Specification

Phospho-IRS2(Y978) Antibody - Product Information

Application	DB,E
Primary Accession	O9Y4H2
Other Accession	P81122
Reactivity	Human
Predicted	Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	137334

Phospho-IRS2(Y978) Antibody - Additional Information

Gene ID 8660

Other Names

Insulin receptor substrate 2, IRS-2, IRS2

Target/Specificity

This IRS2 Antibody is generated from rabbits immunized with a KLH conjugated synthetic phosphopeptide corresponding to amino acid residues surrounding Y978 of human IRS2.

Dilution

DB~~1:500

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

Phospho-IRS2(Y978) Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Phospho-IRS2(Y978) Antibody - Protein Information

Name IRS2

Function May mediate the control of various cellular processes by insulin.

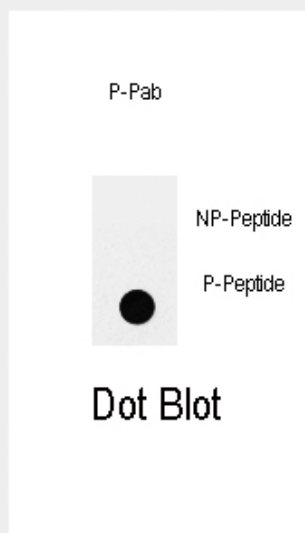
Cellular Location

Cytoplasm, cytosol.

Phospho-IRS2(Y978) 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](#)

Phospho-IRS2(Y978) Antibody - Images

Dot blot analysis of anti-Phospho-IRS2-pY978 Antibody (Cat.#AP3596a) on nitrocellulose membrane. 50ng of Phospho-peptide or Non Phospho-peptide per dot were adsorbed. Antibody working concentrations are 0.5ug per ml.

Phospho-IRS2(Y978) Antibody - 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 - 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)