

## **RGS1 Polyclonal Antibody**

**Catalog # AP72253** 

## **Specification**

# **RGS1 Polyclonal Antibody - Product Information**

Application WB, IHC-P Primary Accession 008116

Reactivity Human, Mouse, Rat

Host Rabbit Clonality Polyclonal

## **RGS1 Polyclonal Antibody - Additional Information**

# **Gene ID 5996**

#### **Other Names**

RGS1; 1R20; BL34; IER1; Regulator of G-protein signaling 1; RGS1; B-cell activation protein BL34; Early response protein 1R20

#### **Dilution**

WB~~Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/20000. Not yet tested in other applications. IHC-P~ $\sim$ N/A

#### **Format**

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

#### **Storage Conditions**

-20°C

# **RGS1 Polyclonal Antibody - Protein Information**

## Name RGS1

Synonyms 1R20, BL34, IER1

### **Function**

Regulates G protein-coupled receptor signaling cascades, including signaling downstream of the N-formylpeptide chemoattractant receptors and leukotriene receptors (PubMed:<a href="http://www.uniprot.org/citations/10480894" target="\_blank">10480894</a>). Inhibits B cell chemotaxis toward CXCL12 (By similarity). Inhibits signal transduction by increasing the GTPase activity of G protein alpha subunits thereby driving them into their inactive GDP-bound form (PubMed:<a href="http://www.uniprot.org/citations/10480894" target="\_blank">10480894</a>, PubMed:<a href="http://www.uniprot.org/citations/18434541" target="\_blank">18434541</a>).

#### **Cellular Location**

Cell membrane; Peripheral membrane protein; Cytoplasmic side. Cytoplasm, cytosol



### **Tissue Location**

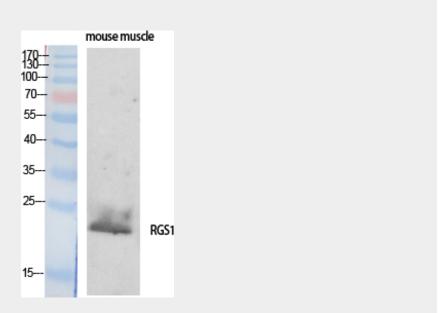
Detected in peripheral blood monocytes (PubMed:10480894). Expression is relatively low in B-cells and chronic lymphocytic leukemia B-cells; however, in other types of malignant B- cell such as non-Hodgkin lymphoma and hairy cell leukemia, expression is constitutively high (PubMed:8473738).

# **RGS1 Polyclonal Antibody - Protocols**

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

# **RGS1 Polyclonal Antibody - Images**



Western Blot analysis of various cells using RGS1 Polyclonal Antibody

# **RGS1 Polyclonal Antibody - Background**

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