

RGS1 Antibody - N-terminal region

Rabbit Polyclonal Antibody Catalog # AI16123

Product Information

Application WB
Primary Accession Q08116
Other Accession NP_002913
Reactivity Human
Host Rabbit
Clonality Polyclonal
Calculated MW 23858

Additional Information

Gene ID 5996

Alias Symbol RGS1, 1R20, BL34, IER1,

Other Names Regulator of G-protein signaling 1, RGS1, B-cell activation protein BL34, Early

response protein 1R20, RGS1, 1R20, BL34, IER1

Format Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium

azide and 2% sucrose.

Reconstitution & Storage Add 50 &mu, I of distilled water. Final Anti-RGS1 antibody concentration is 1

mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at

-20°C. Avoid repeat freeze-thaw cycles.

Precautions RGS1 Antibody - N-terminal region is for research use only and not for use in

diagnostic or therapeutic procedures.

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: 10480894). 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:10480894, PubMed:18434541).

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).

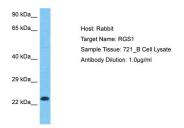
Background

Inhibits signal transduction by increasing the GTPase activity of G protein alpha subunits thereby driving them into their inactive GDP-bound form. This protein may be involved in the regulation of B-cell activation and proliferation.

References

Ota T.,et al.Nat. Genet. 36:40-45(2004). Gregory S.G.,et al.Nature 441:315-321(2006). Hong J.X.,et al.J. Immunol. 150:3895-3904(1993). Newton J.S.,et al.Biochim. Biophys. Acta 1216:314-316(1993). Puhl H.L. III,et al.Submitted (MAR-2002) to the EMBL/GenBank/DDBJ databases.

Images



Host: Rabbit Target Name: RGS1

Sample Tissue: 721_B Whole Cell lysates

Antibody Dilution: 1.0µg/ml

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.