10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Anti-RGS1/8/16 (pY187/159/168) Antibody
Catalog # AP54058

Specification

Anti-RGS1/8/16 (pY187/159/168) Antibody - Product Information

Application	**WB**
Primary Accession	Q08116
Other Accession	O15492
Reactivity	**Human, Mouse, Rat**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**23858**

Anti-RGS1/8/16 (pY187/159/168) Antibody - Additional Information

Gene ID 5996

Other Names
RGSR; Regulator of G-protein signaling 16; RGS16; A28-RGS14P; Retinal-specific RGS; RGS-r; hRGS-r; Retinally abundant regulator of G-protein signaling

Target/Specificity
KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human RGS1/8/16 (pY187/159/168). The exact sequence is proprietary.

Dilution
WB~~1/500 - 1/1000

Format
Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.

Storage
Store at -20 °C.Stable for 12 months from date of receipt

Anti-RGS1/8/16 (pY187/159/168) 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: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

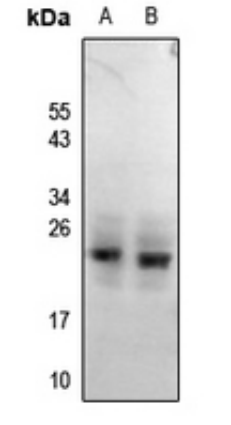
Tissue Location
Detected in peripheral blood monocytes (PubMed:10480894). Expression is relatively low in B-cells and chronic lymphocytic leukemia B-cells; however, in other types of malignant B- cell such as non-Hodgkin lymphoma and hairy cell leukemia, expression is constitutively high (PubMed:8473738).

Anti-RGS1/8/16 (pY187/159/168) 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 Cytomety
- Cell Culture

Anti-RGS1/8/16 (pY187/159/168) Antibody - Images



Western blot analysis of RGS1/8/16 (pY187/159/168) expression in mouse eyes (A), rat eyes (B) whole cell lysates.

Anti-RGS1/8/16 (pY187/159/168) Antibody - Background

Rabbit polyclonal antibody to RGS1/8/16 (pY187/159/168)