

RGS13 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP57688

Specification

RGS13 Polyclonal Antibody - Product Information

WB, IHC-P, IHC-F, IF, ICC Application

Primary Accession 014921 Reactivity Rat, Dog Host **Rabbit** Clonality **Polyclonal** Calculated MW **19 KDa**

Physical State Immunogen KLH conjugated synthetic peptide derived

from human RGS13

Liquid

51-100/159 **Epitope Specificity**

laG Isotype

Purity affinity purified by Protein A

Buffer 0.01M TBS (pH7.4) with 1% BSA, 0.02%

Proclin300 and 50% Glycerol.

SIMILARITY Contains 1 RGS domain.

Important Note This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Background Descriptions

The protein encoded by this gene is a member of the regulator of G protein signaling (RGS) family. RGS family members share similarity with S. cerevisiae SST2 and C. elegans eql-10 proteins, which contain a characteristic conserved RGS domain. RGS proteins accelerate GTPase activity of G protein alpha-subunits, thereby driving G protein into their inactive GDP-bound form, thus negatively regulating G protein signaling. RGS proteins have been implicated in the fine tuning of a variety of cellular events in response to G protein-coupled receptor activation. The biological function of this gene, however, is unknown. Two transcript variants encoding the same isoform exist. [provided by RefSeq, Jul 2008]

RGS13 Polyclonal Antibody - Additional Information

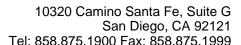
Gene ID 6003

Other Names

Regulator of G-protein signaling 13, RGS13, RGS13

Dilution

- WB~~1:1000<br \><span class</pre>
- ="dilution IHC-P">IHC-P~~N/A<br \><span class
- ="dilution IHC-F">IHC-F~~N/A<br \><span class
- ="dilution IF">IF~~1:50~200
span class = "dilution ICC">ICC~~N/A





Storage

Store at -20 $^{\circ}$ C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 $^{\circ}$ C.

RGS13 Polyclonal Antibody - Protein Information

Name RGS13

Function

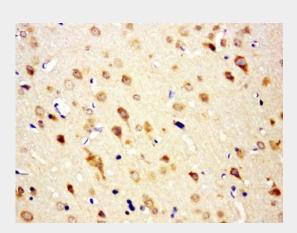
Inhibits signal transduction by increasing the GTPase activity of G protein alpha subunits thereby driving them into their inactive GDP-bound form. Binds to both G(i)-alpha and G(q)-alpha (By similarity).

RGS13 Polyclonal Antibody - Protocols

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

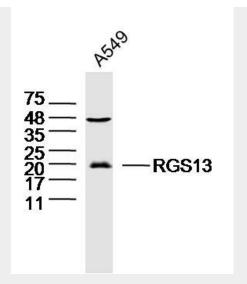
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

RGS13 Polyclonal Antibody - Images



Paraformaldehyde-fixed, paraffin embedded (rat brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (RGS13) Polyclonal Antibody, Unconjugated (bs-19854R) at 1:400 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.





Sample: A549 Cell (Human) Lysate at 40 ug

Primary: Anti- RGS13 (bs-19854R) at 1/300 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 19 kD Observed band size: 19 kD