

RGS13 Antibody(Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP19453c

Specification

RGS13 Antibody(Center) - Product Information

WB,E Application **Primary Accession** 014921 Other Accession NP 658912.1 Reactivity Human Host **Rabbit** Clonality **Polyclonal** Isotype Rabbit IgG Calculated MW 19135 Antigen Region 61-90

RGS13 Antibody(Center) - Additional Information

Gene ID 6003

Other Names

Regulator of G-protein signaling 13, RGS13, RGS13

Target/Specificity

This RGS13 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 61-90 amino acids from the Central region of human RGS13.

Dilution

WB~~1:1000

E~~Use at an assay dependent concentration.

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

RGS13 Antibody(Center) is for research use only and not for use in diagnostic or therapeutic procedures.

RGS13 Antibody(Center) - Protein Information

Name RGS13

Function Inhibits signal transduction by increasing the GTPase activity of G protein alpha subunits



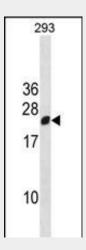
thereby driving them into their inactive GDP-bound form. Binds to both G(i)-alpha and G(q)-alpha (By similarity).

RGS13 Antibody(Center) - Protocols

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

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

RGS13 Antibody(Center) - Images



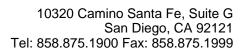
RGS13 Antibody (Center) (Cat. #AP19453c) western blot analysis in 293 cell line lysates (35ug/lane). This demonstrates the RGS13 antibody detected the RGS13 protein (arrow).

RGS13 Antibody(Center) - Background

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 egl-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.

RGS13 Antibody(Center) - References

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Pinheiro, A.P., et al. Am. J. Med. Genet. B Neuropsychiatr. Genet. 153B (5), 1070-1080 (2010):
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