

Goat Anti-RGS13 Antibody
Peptide-affinity purified goat antibody
Catalog # AF1924a**Specification**

Goat Anti-RGS13 Antibody - Product Information

| | |
|-------------------|--|
| Application | WB |
| Primary Accession | O14921 |
| Other Accession | NP_658912 , 6003 |
| Reactivity | Human |
| Host | Goat |
| Clonality | Polyclonal |
| Concentration | 100ug/200ul |
| Isotype | IgG |
| Calculated MW | 19135 |

Goat Anti-RGS13 Antibody - Additional Information**Gene ID** 6003**Other Names**

Regulator of G-protein signaling 13, RGS13, RGS13

Format

0.5 mg IgG/ml in Tris saline (20mM Tris pH7.3, 150mM NaCl), 0.02% sodium azide, with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

Goat Anti-RGS13 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Goat Anti-RGS13 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).

Goat Anti-RGS13 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 Cytometry](#)
- [Cell Culture](#)

Goat Anti-RGS13 Antibody - Images



AF1924a (0.5 µg/ml) staining of Peripheral Blood Mononucleocyte lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Goat Anti-RGS13 Antibody - 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.

Goat Anti-RGS13 Antibody - References

Genetic Variations in Regulator of G-Protein Signaling Genes as Susceptibility Loci for Second Primary Tumor/Recurrence in Head and Neck Squamous Cell Carcinoma. Wang J, et al. *Carcinogenesis*, 2010 Jul 12. PMID 20627871.

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The DNA sequence and biological annotation of human chromosome 1. Gregory SG, et al. *Nature*, 2006 May 18. PMID 16710414.

RGS1 and RGS13 mRNA silencing in a human B lymphoma line enhances responsiveness to chemoattractants and impairs desensitization. Han JI, et al. *J Leukoc Biol*, 2006 Jun. PMID 16565322.