

### **Goat Anti-RGS13 Antibody**

Peptide-affinity purified goat antibody Catalog # AF1924a

## **Specification**

# **Goat Anti-RGS13 Antibody - Product Information**

Application WB
Primary Accession 014921

Other Accession NP\_658912, 6003

Reactivity
Host
Clonality
Concentration
Isotype
Human
Goat
Polyclonal
100ug/200ul
Isotype
IgG

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 lgG/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).

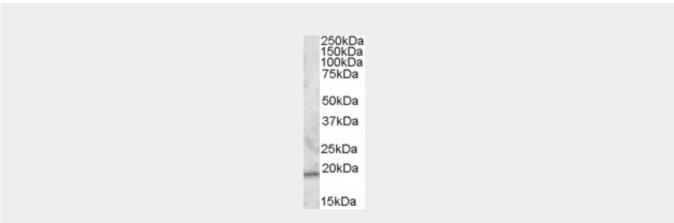
# Goat Anti-RGS13 Antibody - Protocols



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

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

# Goat Anti-RGS13 Antibody - Images



AF1924a (0.5  $\mu$ g/ml) staining of Peripheral Blood Mononucleocyte lysate (35  $\mu$ g 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.

Association study of 182 candidate genes in anorexia nervosa. Pinheiro AP, et al. Am J Med Genet B Neuropsychiatr Genet, 2010 Jul. PMID 20468064.

RGS13 controls g protein-coupled receptor-evoked responses of human mast cells. Bansal G, et al. J Immunol, 2008 Dec 1. PMID 19017978.

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.