

**Goat Anti-RGS18 Antibody**  
**Peptide-affinity purified goat antibody**  
**Catalog # AF1926a****Specification**

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**Goat Anti-RGS18 Antibody - Product Information**

Application	WB
Primary Accession	<a href="#">O9NS28</a>
Other Accession	<a href="#">NP_570138</a> , <a href="#">64407</a>
Reactivity	Human
Host	Goat
Clonality	Polyclonal
Concentration	100ug/200ul
Isotype	IgG
Calculated MW	27582

**Goat Anti-RGS18 Antibody - Additional Information****Gene ID** 64407**Other Names**

Regulator of G-protein signaling 18, RGS18, RGS18, 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-RGS18 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**Goat Anti-RGS18 Antibody - Protein Information****Name** RGS18**Synonyms** 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 G(i) alpha-1, G(i) alpha-2, G(i) alpha-3 and G(q) alpha.

**Cellular Location**

Cytoplasm.

#### **Tissue Location**

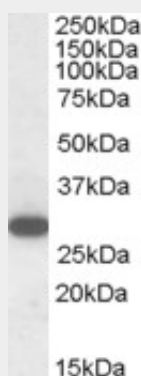
Expressed in peripheral leukocytes, bone marrow, platelet, spleen and fetal liver.

#### **Goat Anti-RGS18 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-RGS18 Antibody - Images**



AF1926a (1 µg/ml) staining of Human Peripheral Blood Mononucleocytes lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

#### **Goat Anti-RGS18 Antibody - Background**

This gene encodes a member of the regulator of G-protein signaling family. This protein contains a conserved, 120 amino acid motif called the RGS domain. The protein attenuates the signaling activity of G-proteins by binding to activated, GTP-bound G alpha subunits and acting as a GTPase activating protein (GAP), increasing the rate of conversion of the GTP to GDP. This hydrolysis allows the G alpha subunits to bind G beta/gamma subunit heterodimers, forming inactive G-protein heterotrimers, thereby terminating the signal. Alternate transcriptional splice variants of this gene have been observed but have not been thoroughly characterized.

#### **Goat Anti-RGS18 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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