

**RGS13 Antibody(Center) Blocking peptide**  
**Synthetic peptide**  
**Catalog # BP19453c****Specification**

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**RGS13 Antibody(Center) Blocking peptide - Product Information**Primary Accession [O14921](#)**RGS13 Antibody(Center) Blocking peptide - Additional Information****Gene ID** 6003**Other Names**

Regulator of G-protein signaling 13, RGS13, RGS13

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**RGS13 Antibody(Center) Blocking peptide - 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) Blocking peptide - Protocols**

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

- [Blocking Peptides](#)

**RGS13 Antibody(Center) Blocking peptide - Images****RGS13 Antibody(Center) Blocking peptide - 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) Blocking peptide - References**

Wang, J., et al. Carcinogenesis 31(10):1755-1761(2010)Pinheiro, A.P., et al. Am. J. Med. Genet. B Neuropsychiatr. Genet. 153B (5), 1070-1080 (2010) :Bansal, G., et al. J. Immunol. 181(11):7882-7890(2008)Han, J.L., et al. J. Leukoc. Biol. 79(6):1357-1368(2006)Islam, T.C., et al. Leukemia 17(9):1880-1890(2003)