10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

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

Specification

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 theregulator of G protein signaling (RGS) family. RGS family membersshare similarity with S. cerevisiae SST2 and C. elegans egl-10proteins, which contain a characteristic conserved RGS domain. RGSproteins accelerate GTPase activity of G

protein alpha-subunits,thereby driving G protein into their inactive GDP-bound form, thusnegatively regulating G protein signaling. RGS proteins have beenimplicated in the fine tuning of a variety of cellular events inresponse to G protein-coupled receptor activation. The biologicalfunction of this gene, however, is unknown. Two transcript variantsencoding 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.I., et al. J. Leukoc. Biol. 79(6):1357-1368(2006)Islam, T.C., et al. Leukemia 17(9):1880-1890(2003)