

RGS8 Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP16415a**Specification**

RGS8 Antibody (N-term) Blocking Peptide - Product InformationPrimary Accession [P57771](#)**RGS8 Antibody (N-term) Blocking Peptide - Additional Information****Gene ID** 85397**Other Names**

Regulator of G-protein signaling 8, RGS8, RGS8

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.

RGS8 Antibody (N-term) Blocking Peptide - Protein Information**Name** RGS8**Function**

Regulates G protein-coupled receptor signaling cascades, including signaling via muscarinic acetylcholine receptor CHRM2 and dopamine receptor DRD2 (By similarity). Inhibits signal transduction by increasing the GTPase activity of G protein alpha subunits, thereby driving them into their inactive GDP-bound form (PubMed:18434541). Modulates the activity of potassium channels that are activated in response to DRD2 and CHRM2 signaling (By similarity).

Cellular Location

Cell membrane {ECO:0000250|UniProtKB:P49804}; Peripheral membrane protein {ECO:0000250|UniProtKB:P49804}; Cytoplasmic side {ECO:0000250|UniProtKB:P49804}. Membrane {ECO:0000250|UniProtKB:P49804}; Peripheral membrane protein {ECO:0000250|UniProtKB:P49804}; Cytoplasmic side {ECO:0000250|UniProtKB:P49804}. Perikaryon {ECO:0000250|UniProtKB:P49804}. Cell projection, dendrite {ECO:0000250|UniProtKB:P49804}. Nucleus {ECO:0000250|UniProtKB:P49804} Note=Detected in Purkinje cell soma and dendrites. Associated with Purkinje cell membranes. Not detected in Purkinje cell nuclei. Detected in the nucleus after heterologous expression. Recruited to the cell membrane in the presence of GNAO1. {ECO:0000250|UniProtKB:P49804}

RGS8 Antibody (N-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

RGS8 Antibody (N-term) Blocking Peptide - Images

RGS8 Antibody (N-term) Blocking Peptide - Background

RGS8 is a member of the regulator of G protein signaling (RGS) family and encodes a protein with a single RGS domain. Regulator of G protein signaling (RGS) proteins are regulatory and structural components of G protein-coupled receptor complexes. They accelerate transit through the cycle of GTP binding and hydrolysis to GDP, thereby terminating signal transduction, but paradoxically, also accelerate receptor-stimulated activation.

RGS8 Antibody (N-term) Blocking Peptide - References

Wang, J., et al. Carcinogenesis 31(10):1755-1761(2010) Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :Fujii, S., et al. Biochem. Biophys. Res. Commun. 377(1):200-204(2008) Campbell, D.B., et al. Schizophr. Res. 101 (1-3), 67-75 (2008) :Lamesch, P., et al. Genomics 89(3):307-315(2007)