

RGS8 Antibody (N-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP16415a**Specification**

RGS8 Antibody (N-term) - Product Information

Application	WB,E
Primary Accession	P57771
Other Accession	P49804 , Q8BXT1 , NP_203131.1 , NP_001095920.1
Reactivity	Human
Predicted	Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	20917
Antigen Region	14-43

RGS8 Antibody (N-term) - Additional Information**Gene ID** 85397**Other Names**

Regulator of G-protein signaling 8, RGS8, RGS8

Target/Specificity

This RGS8 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 14-43 amino acids from the N-terminal region of human RGS8.

Dilution

WB~~1:1000

E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

RGS8 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

RGS8 Antibody (N-term) - 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

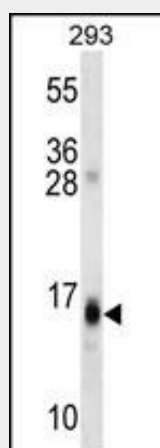
Cell membrane {ECO:0000250|UniProtKB:P49804}; Peripheral membrane protein {ECO:0000250|UniProtKB:P49804}; Cytoplasmic side {ECO:0000250|UniProtKB:P49804}. Membrane {ECO:0000250|UniProtKB:P49804}; Peripheral membrane protein {ECO:0000250|UniProtKB:P49804}; Cytoplasmic side {ECO:0000250|UniProtKB:P49804}. 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) - 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](#)

RGS8 Antibody (N-term) - Images



RGS8 Antibody (N-term) (Cat. #AP16415a) western blot analysis in 293 cell line lysates (35ug/lane). This demonstrates the RGS8 antibody detected the RGS8 protein (arrow).

RGS8 Antibody (N-term) - 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) - 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)