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

RGS4 antibody - C-terminal region

Rabbit Polyclonal Antibody
Catalog # AI10176

Product Information

Application	WB
Primary Accession	P49798
Other Accession	NM_005613, NP_005604
Reactivity	Human, Mouse, Rat, Dog, Horse, Bovine, Sheep
Predicted	Human, Mouse, Rat, Pig, Dog, Bovine, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	23256

Additional Information

Gene ID	5999
Alias Symbol	MGC2124, MGC60244, RGP4, SCZD9
Other Names	Regulator of G-protein signaling 4, RGP4, RGS4, RGS4
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 50 ul of distilled water. Final anti-RGS4 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.
Precautions	RGS4 antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	RGS4
Function	Inhibits signal transduction by increasing the GTPase activity of G protein alpha subunits thereby driving them into their inactive GDP-bound form. Activity on G(z)-alpha is inhibited by phosphorylation of the G protein. Activity on G(z)-alpha and G(i)- alpha-1 is inhibited by palmitoylation of the G protein.
Tissue Location	Expressed in brain and heart. Expressed in brain at protein level. Expressed in prefontal and visual cortex. Isoform 4 and isoform 5 are expressed ubiquitously. Isoform 1, isoform 2 and isoform 3 are not expressed in the cerebellum.

References

Ishii,M., (2005) Biochem. Biophys. Res. Commun. 338 (2), 839-846
Reconstitution and Storage:For short term use, store at 2-8C up to 1 week. For long term storage, store at -20C in small aliquots to prevent freeze-thaw cycles.

Images

