

# RGS4 antibody - C-terminal region

Rabbit Polyclonal Antibody  
Catalog # AI10176

## Product Information

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<b>Application</b>	WB
<b>Primary Accession</b>	<a href="#">P49798</a>
<b>Other Accession</b>	<a href="#">NM_005613</a> , <a href="#">NP_005604</a>
<b>Reactivity</b>	Human, Mouse, Rat, Dog, Horse, Bovine, Sheep
<b>Predicted</b>	Human, Mouse, Rat, Pig, Dog, Bovine, Sheep
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Calculated MW</b>	23256

## Additional Information

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<b>Gene ID</b>	5999
<b>Alias Symbol</b> <b>Other Names</b>	MGC2124, MGC60244, RGP4, SCZD9 Regulator of G-protein signaling 4, RGP4, RGS4, RGS4
<b>Format</b>	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
<b>Reconstitution &amp; Storage</b>	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.
<b>Precautions</b>	RGS4 antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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<b>Name</b>	RGS4
<b>Function</b>	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.
<b>Tissue Location</b>	Expressed in brain and heart. Expressed in brain at protein level. Expressed in prefrontal 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

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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

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