

## RGS4 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)  
Catalog # AP8879c

### Product Information

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<b>Application</b>	WB, E
<b>Primary Accession</b>	<a href="#">P49798</a>
<b>Other Accession</b>	<a href="#">P49799</a> , <a href="#">Q0R4E4</a> , <a href="#">Q4R525</a> , <a href="#">Q29RM9</a>
<b>Reactivity</b>	Human, Mouse
<b>Predicted</b>	Bovine, Monkey, Rabbit, Rat
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	Rabbit IgG
<b>Clone Names</b>	RB21256
<b>Antigen Region</b>	147-174

### Additional Information

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<b>Other Names</b>	Regulator of G-protein signaling 4, RGP4, RGS4, RGS4
<b>Target/Specificity</b>	This RGS4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 147-174 amino acids from the Central region of human RGS4.
<b>Dilution</b>	WB~~1:1000 E~~Use at an assay dependent concentration.
<b>Format</b>	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.
<b>Storage</b>	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.
<b>Precautions</b>	RGS4 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

### Protein Information

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#### Background

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Regulator of G protein signaling (RGS) family members are regulatory molecules that act as GTPase activating proteins (GAPs) for G alpha subunits of heterotrimeric G proteins. RGS proteins are able to deactivate G protein subunits of the Gi alpha, Go alpha and Gq alpha subtypes. They drive G proteins into their inactive GDP-bound forms. Regulator of G protein signaling 4 belongs to this family. All RGS proteins share a conserved 120-amino acid sequence termed the RGS domain. Regulator of G protein signaling 4

protein is 37% identical to RGS1 and 97% identical to rat Rgs4. This protein negatively regulate signaling upstream or at the level of the heterotrimeric G protein and is localized in the cytoplasm.

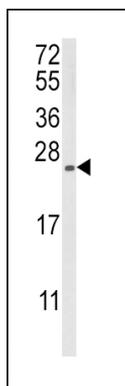
## References

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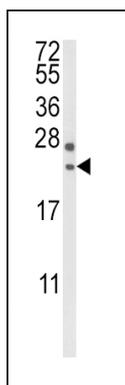
Heximer, S.P., et al., Proc. Natl. Acad. Sci. U.S.A. 94 (26), 14389-14393 (1997)

## Images

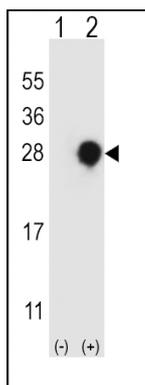
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Western blot analysis of RGS4 Antibody (Center) (Cat. #AP8879c) in MDA-MB231 cell line lysates (35ug/lane). RGS4 (arrow) was detected using the purified Pab.



Western blot analysis of RGS4 Antibody (Center) (Cat. #AP8879c) in mouse brain tissue lysates (35ug/lane). RGS4 (arrow) was detected using the purified Pab.



Western blot analysis of RGS4 (arrow) using rabbit polyclonal RGS4 Antibody (Center) (Cat. #AP8879c). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the RGS4 gene.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.