

Product datasheet for **TA308780**

RGS4 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	IHC:1:100-1:1000; WB:1:500-1:3000
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Recombinant fragment corresponding to a region within amino acids 1 and 205 of RGS4 (Uniprot ID#P49798)
Formulation:	0.1M Tris, 0.1M Glycine, 20% Glycerol (pH7). 0.01% Thimerosal was added as a preservative.
Concentration:	lot specific
Purification:	Purified by antigen-affinity chromatography.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	23 kDa
Gene Name:	regulator of G-protein signaling 4
Database Link:	NP_001106852 Entrez Gene 5999 Human P49798



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Background:

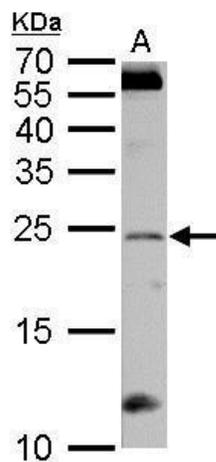
Regulator of G protein signaling (RGS) family members are regulatory molecules that act as GTPase activating proteins (GAPs) for G alpha subunits of heterotrimeric G proteins. RGS proteins are able to deactivate G protein subunits of the Gi alpha, Go alpha and Gq alpha subtypes. They drive G proteins 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. Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq]

Synonyms:

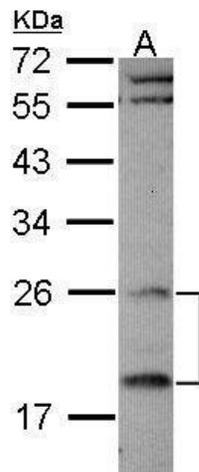
RGP4; SCZD9

Protein Families:

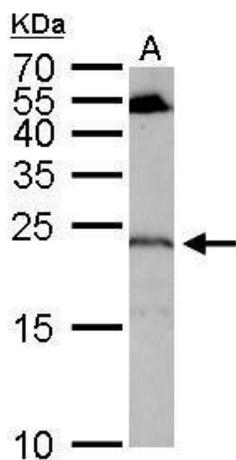
Druggable Genome

Product images:


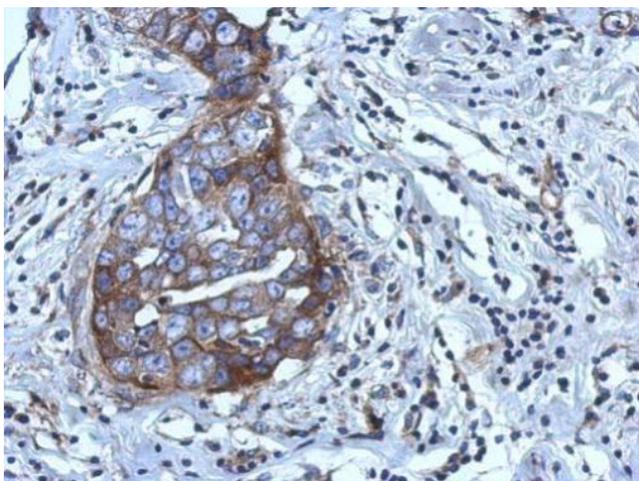
RGS4 antibody detects RGS4 protein by Western blot analysis. A. 50 ug rat brain lysate/extract. 12 % SDS-PAGE. RGS4 antibody (TA308780) dilution: 1:1000



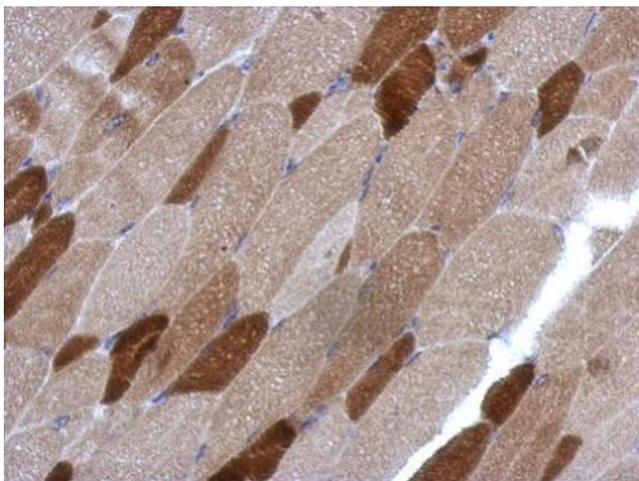
Sample (30 ug of whole cell lysate). A: Raji. 12% SDS PAGE. TA308780 diluted at 1:1000.



RGS4 antibody detects RGS4 protein by Western blot analysis. A. 50 ug mouse cerebellum lysate/extract. 12 % SDS-PAGE. RGS4 antibody (TA308780) dilution: 1:1000



Immunohistochemical analysis of paraffin-embedded Breast ca, using RGS4 (TA308780) antibody at 1:500 dilution.



Immunohistochemical analysis of paraffin-embedded Muscle, using RGS4 (TA308780) antibody at 1:500 dilution.