

Rabbit RGS4 Polyclonal Antibody | anti-RGS4 antibody

RGS4 Antibody (Center)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA289962	Rabbit	Human, mouse (Predicted Reactivity: Bovine, Monkey, Rabbit, Rat)	ELISA, Western Blot

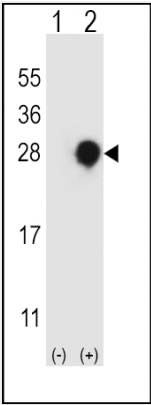
PRODUCT SYNONYMS

RGS4; Polyclonal Antibody; RGS4 Antibody (Center); Regulator of G-protein signaling 4; RGP4; anti-RGS4 antibody

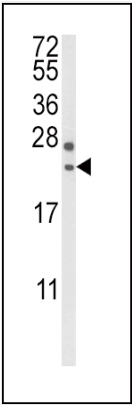
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, mouse (Predicted Reactivity: Bovine, Monkey, Rabbit, Rat)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	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.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/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.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	147-174
Sequence Length	187
Applicable Applications for anti-RGS4 antibody	ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

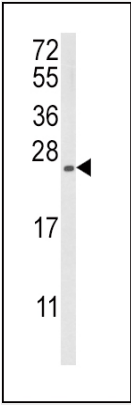
IMAGES



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



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



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

ADDITIONAL INFORMATION

Related Product Information for anti-RGS4 antibody	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.
Product Categories/Family for anti-RGS4 antibody	Cardiovascular; Signal Transduction
References	Heximer,S.P., et.al., Proc. Natl. Acad. Sci. U.S.A. 94 (26), 14389-14393 (1997)

NCBI AND UNIPROT INFORMATION

NCBI GI #	156416012
NCBI GeneID	5999
NCBI Accession #	NP_001095915.1; NP_001106851.1; NP_001106852.1; NP_005604.1
NCBI GenBank Nucleotide #	NM_001102445.2
UniProt Accession #	P49798; A7XA56; A7XA58; A7XA59; A7YVV7; B1APZ3

Molecular Weight	23256
NCBI Official Full Name	regulator of G-protein signaling 4 isoform 1
NCBI Official Synonym Full Names	regulator of G-protein signaling 4
NCBI Official Symbol	RGS4
NCBI Official Synonym Symbols	RGP4; SCZD9
NCBI Protein Information	regulator of G-protein signaling 4
UniProt Protein Name	Regulator of G-protein signaling 4
UniProt Gene Name	RGS4
UniProt Synonym Gene Names	RGP4; RGS4
UniProt Entry Name	RGS4_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/rgs4-antibody-western-blot-elisa/289962>