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Datasheet for ABIN652827

anti-RGS4 antibody (AA 147-174)

3 Images

Overview

Quantity:	400 µL
Target:	RGS4
Binding Specificity:	AA 147-174
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This RGS4 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	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.
Clone:	RB21256
Isotype:	Ig Fraction
Predicted Reactivity:	B, Pr, Rb, Rat
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	RGS4
Alternative Name:	RGS4 (RGS4 Products)

Target Details

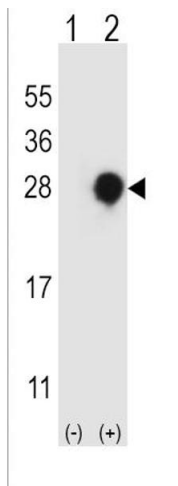
Background:	Regulator of G protein signaling (RGS) family members are regulatory molecules that act as GTPase activating proteins (GAPs) for G alpha subunits of heterotrimeric G proteins. RGS proteins are able to deactivate G protein subunits of the Gi alpha, Go alpha and Gq alpha subtypes. They drive 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.
Molecular Weight:	23256
Gene ID:	5999
NCBI Accession:	NP_001095915 , NP_001106851 , NP_001106852 , NP_005604
UniProt:	P49798
Pathways:	Myometrial Relaxation and Contraction , Regulation of G-Protein Coupled Receptor Protein Signaling

Application Details

Application Notes:	WB: 1:1000. WB: 1:1000. WB: 1:1000
Restrictions:	For Research Use only

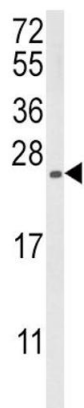
Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months



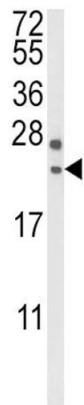
Western Blotting

Image 1. Western blot analysis of RGS4 (arrow) using rabbit polyclonal RGS4 Antibody (Center) (ABIN652827 and ABIN2842539). 293 cell lysates (2 µg/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the RGS4 gene.



Western Blotting

Image 2. Western blot analysis of RGS4 Antibody (Center) (ABIN652827 and ABIN2842539) in MDA-M cell line lysates (35 µg/lane). RGS4 (arrow) was detected using the purified Pab.



Western Blotting

Image 3. Western blot analysis of RGS4 Antibody (Center) (ABIN652827 and ABIN2842539) in mouse brain tissue lysates (35 µg/lane). RGS4 (arrow) was detected using the purified Pab.