Datasheet for ABIN2779301

anti-RGS4 antibody (C-Term)

1 Image

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Overview

Quantity:	100 µL
Target:	RGS4
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat, Cow, Rabbit, Sheep, Guinea Pig, Dog, Horse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This RGS4 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the C terminal region of human RGS4
Sequence:	EAQKKIFNLM EKDSYRRFLK SRFYLDLVNP SSCGAEKQKG AKSSADCASL
Predicted Reactivity:	Cow: 86%, Dog: 92%, Guinea Pig: 93%, Horse: 93%, Human: 100%, Mouse: 100%, Rabbit: 86%, Rat: 100%, Sheep: 86%
Characteristics:	This is a rabbit polyclonal antibody against RGS4. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	RGS4

Target Details

Alternative Name:	RGS4 (RGS4 Products)
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. This protein negatively regulates signaling upstream or at the level of the heterotrimeric G protein and is localized in the cytoplasm.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. Alias Symbols: MGC2124, MGC60244, RGP4, SCZD9 Protein Interaction Partner: GABBR1, KRIT1, PLCB1, COPB2, GNAQ, COPB1, ERBB3, PTAFR, GNAI2, GNAO1, GNAI1, CALM1, GNAI3, GNAT1, Protein Size: 205
Molecular Weight:	23 kDa
Gene ID:	5999
NCBI Accession:	NM_005613, NP_005604
UniProt:	P49798
Pathways:	Myometrial Relaxation and Contraction, Regulation of G-Protein Coupled Receptor Protein Signaling

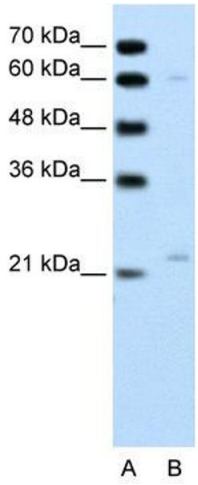
Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 205 AA
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



Western Blotting

Image 1. WB Suggested Anti-RGS4 Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:312500 Positive Control: Jurkat cell lysate