CAB16423

## Product Information

 Size:20uL, 50uL, 100uL, 200uL
Observed MW:
30kDa
Calculated MW:
$10 \mathrm{kDa} / 21 \mathrm{kDa} / 23 \mathrm{kDa} / 33 \mathrm{kDa}$

## Applications:

## WB

Reactivity:
Mouse, Rat

## Antibody Information

Recommended dilutions:
WB 1:500-1:2000

## Source:

Rabbit

## Isotype:

IgG

## Protein 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.

## Immunogen information

## Gene ID:

5999

## Uniprot

P49798

## Synonyms:

RGS4; RGP4; SCZD9

## Immunogen:

A synthetic peptide corresponding to a sequence within amino acids 1-100 of human RGS4 (NP_005604.1).

## Storage:

Store at $-20^{\circ} \mathrm{C}$. Avoid freeze / thaw cycles. Buffer: PBS with $0.02 \%$ sodium azide, $50 \%$ glycerol, pH 7.3 .

## Purification:

Affinity purification


Western blot analysis of extracts of various cell lines, using RGS4 antibody (CAB16423) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (CABSO14) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3\% nonfat dry milk in TBST. Detection: ECL Basic Kit (CABM00020). Exposure time: 1s.

