

# RGS4 Polyclonal Antibody

Catalog Number:E-AB-66810



**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

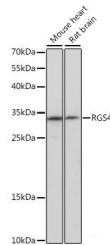
## Description

|                     |   |
|---------------------|---|
| <b>Reactivity</b>   | Mouse,Rat   |
| <b>Immunogen</b>    | A synthetic peptide of human RGS4 (NP_005604.1).  |
| <b>Host</b>         | Rabbit  |
| <b>Isotype</b>      | IgG   |
| <b>Purification</b> | Affinity purification                             |
| <b>Conjugation</b>  | Unconjugated                                      |
| <b>Formulation</b>  | PBS with 0.02% sodium azide, 50% glycerol, pH7.3. |

## Applications Recommended Dilution

|           |              |
|-----------|--------------|
| <b>WB</b> | 1:500-1:2000 |
|-----------|--------------|

## Data



Western blot analysis of extracts of various cell lines using RGS4 Polyclonal Antibody at dilution of 1:1000.

**Observed Mw:30kDa**

**Calculated Mw:10kDa/21kDa/23kDa/33kDa**

## Preparation & Storage

**Storage** Store at -20°C. Avoid freeze / thaw cycles.

## 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.

## For Research Use Only

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