

## RGS4 Polyclonal Antibody

catalog number: **E-AB-66810**

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

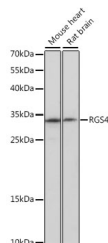
### Description

<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>Buffer</b>	Phosphate buffered solution, pH 7.4, containing 0.05% stabilizer and 50% glycerol.

### Applications

<b>WB</b>	1:500-1:2000
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### Data



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

**Observed-MW:30 kDa**

**Calculated-MW: 10 kDa/21 kDa/23 kDa/33 kDa**

### Preparation & Storage

<b>Storage</b>	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
<b>Shipping</b>	The product is shipped with ice pack, upon receipt, store it immediately at the temperature recommended.

### Background

Regulator of Gprotein signaling (RGS) family members are regulatory molecules that act as GTPase activating proteins (GAPs) for Gα subunits of heterotrimeric Gproteins. RGS proteins are able to deactivate Gprotein subunits of the Gi α, Go α and Gq α subtypes. They drive Gproteins 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 Gprotein 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.

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