# **RGS4** Rabbit pAb

Catalog No.: A16423



#### **Basic Information**

Observed MW 30kDa

Calculated MW 23kDa

**Category** Polyclonal Antibody

Applications WB,ELISA

Cross-Reactivity Mouse,Rat

#### 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.

# **Recommended Dilutions**

WB 1:500 - 1:2000 ELISA Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

# **Immunogen Information**

Gene ID 5999 Swiss Prot P49798

#### Immunogen

Synthetic peptide. This information is considered to be commercially sensitive.

Synonyms RGP4; SCZD9; RGS4

# Contact

# **Product Information**

www.abclonal.com

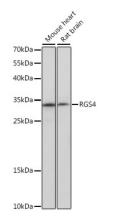
#### **Source** Rabbit

**Isotype** IgG **Purification** Affinity purification

#### Storage

Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.01% thimerosal,50% glycerol,pH7.3.

# Validation Data



Western blot analysis of various lysates using RGS4 Rabbit pAb (A16423) at 1:1000 dilution.

Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 1s.