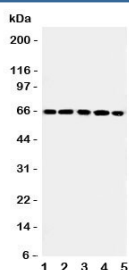


RGS14 Antibody (R31283)

Catalog No.	Formulation	Size
R31283	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide/thimerosal
UniProt	O43566
Applications	Western Blot : 0.5-1ug/ml
Limitations	This RGS14 antibody is available for research use only.



Western blot testing of RGS14 antibody and Lane 1: rat thymus; 2: (r) spleen; 3: human Raji; 4: (h) CEM; 5: (h) Jurkat cell lysate. Expected/observed size ~65KD

Description

Regulator of G-protein signaling 14 is a protein that in humans is encoded by the RGS14 gene. This gene encodes a member of the regulator of G-protein signaling family. By genomic sequence analysis, this gene is mapped to chromosome 5q35.3. The protein attenuates the signaling activity of G-proteins by binding, through its GoLoco domain, to specific types of activated, GTP-bound G alpha subunits. Acting as a GTPase activating protein(GAP), the protein increases the rate of conversion of the GTP to GDP. This hydrolysis allows the G alpha subunits to bind G beta/gamma subunit heterodimers, forming inactive G-protein heterotrimers, thereby terminating the signal.

Application Notes

The stated application concentrations are suggested starting amounts. Titration of the RGS14 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

An amino acid sequence from the C-terminus of human Regulator of G-protein signaling 14 (CTVLADQEVRLENR) was used as the immunogen for this RGS14 antibody (100% homologous in human, mouse and rat).

Storage

After reconstitution, the RGS14 antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.