

For Research Use Only

RGS14 Recombinant monoclonal antibody

Catalog Number: 87396-1-RR



Basic Information

Catalog Number: 87396-1-RR	GenBank Accession Number: NM_006480.5	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 10636	CloneNo.: 252605A11
Source: Rabbit	UNIPROT ID: O43566-7	Recommended Dilutions: WB: 1:500-1:2000
Isotype: IgG	Full Name: regulator of G-protein signaling 14	
Immunogen Catalog Number: EG5508	Calculated MW: 61 kDa	
	Observed MW: 60-65 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : Raji cells, Karpas-299 cells, Jurkat cells
Species Specificity: human	

Background Information

RGS14, a member of the R12 subfamily of RGS proteins, is highly expressed in the brain and is a natural suppressor of CA2 hippocampal synaptic plasticity and learning and memory. RGS14 was first identified as a complex scaffolding protein with an unconventional domain structure that allows it to interact with various protein binding partners. RGS14 contains one RGS domain, two Raf-like Ras-binding domains (RBDs), and one GoLoco domain. 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.

Storage

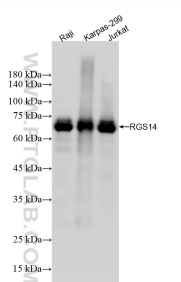
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

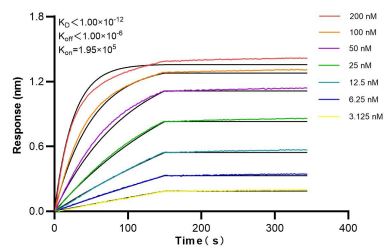
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 87396-1-RR (RGS14 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 87396-1-RR against Human RGS14 were performed. The affinity constant is below 1 pM.