

For Research Use Only

RGS3 Monoclonal antibody

Catalog Number: 66790-1-Ig **1 Publications**



Basic Information

Catalog Number: 66790-1-Ig	GenBank Accession Number: BC018072	Purification Method: Protein A purification
Size: 150ul , Concentration: 2100 µg/ml by 5998 Nanodrop and 1000 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 5998	CloneNo.: 1D6A3
Source: Mouse	UNIPROT ID: P49796	Recommended Dilutions: WB 1:1000-1:4000
Isotype: IgG1	Full Name: regulator of G-protein signaling 3	
Immunogen Catalog Number: AG3177	Calculated MW: 1198 aa, 132 kDa	
	Observed MW: 140 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : Jurkat cells, HEK-293 cells
Cited Applications: WB	
Species Specificity: Human	
Cited Species: mouse	

Background Information

RGS3 belongs to a family of proteins which share the core regulator of G-protein signalling (RGS) domain and function as GTPase-activating proteins (GAPs) for the α subunit of heterotrimeric G-proteins. RGS3 has been reported to inhibit the Gai- and G α q-mediated signaling pathways in the cardiovascular system, including those acting via the cardiovascular signaling molecules angiotensin II (Ang II), sphingosine 1-phosphate and endothelin-1. Alternative splicing and the use of alternative promoters results in multiple transcript variants encoding different isoforms. Long isoforms are largely cytosolic and plasma membrane-associated with a function in Wnt signaling and in the epithelial mesenchymal transition, while shorter N-terminally-truncated isoforms can be nuclear.

Notable Publications

Author	Pubmed ID	Journal	Application
Xiao Hu	38410210	Transl Cancer Res	WB

Storage

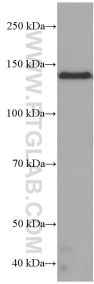
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 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



Jurkat cells were subjected to SDS PAGE followed by western blot with 66790-1-Ig (RG53 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.