

For Research Use Only

RGS3 Monoclonal antibody

Catalog Number: 66790-1-Ig



Basic Information

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

Applications

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

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.

Storage

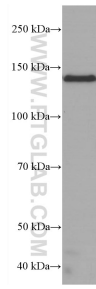
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 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)
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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.