

For Research Use Only

# RGS3 Monoclonal antibody

Catalog Number: 66790-1-Ig **2 Publications**



## Basic Information

Catalog Number: 66790-1-Ig	GenBank Accession Number: BC018072	Purification Method: Protein A purification
Concentration: 2100 µg/ml	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: human, 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  $\alpha$  subunit of heterotrimeric G-proteins. RGS3 has been reported to inhibit the Gai- and Gq-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
Xuehui Fan	39901299	Stem Cell Res Ther	WB
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

For technical support and original validation data for this product please contact:

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## Selected Validation Data



Jurkat cells were subjected to SDS PAGE followed by western blot with 66790-1-Ig (RGS3 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.