

For Research Use Only

# RGS3 Monoclonal antibody

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



## Basic Information

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

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : Jurkat cells, HEK-293 cells
<b>Cited Applications:</b> WB	
<b>Species Specificity:</b> Human	
<b>Cited Species:</b> 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

\*\*\* 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 (RGS3 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.