RGS3 Monoclonal antibody, PBS Only

Catalog Number:66790-1-PBS

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Basic Information

Catalog Number:
66790-1-PBS

Size:
1 mg/ml

Source:
Mouse

Isotype:
IgG1

Immunogen Catalog Number:
AG3177

GenBank Accession Number:
BC018072

GeneID (NCBI):
5998

UNIPROT ID:
P49796

Full Name:
regulator of G-protein signaling 3

Calculated MW:
1198 aa, 132 kDa

Observed MW:
140 kDa

Purification Method:
Protein A purification

CloneNo.:
1D6A3

Applications

Tested Applications:
WB,ELISA

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 Gaq-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 -80℃.
The product is shipped with ice packs. Upon receipt, store it immediately at -80℃
Storage Buffer:
PBS only

250 kDa→
150 kDa→
100 kDa→
70 kDa→
50 kDa→
40 kDa→
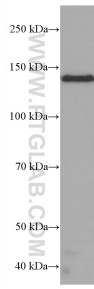
Jurkat cells were subjected to SDS PAGE followed by western blot with 66790-1-Ig (RGS3 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66790-1-PBS in a different storage buffer formulation.