

RGS4 Monoclonal antibody

Catalog Number: 66441-1-Ig

1 Publications

Basic Information

Catalog Number:

66441-1-Ig

Size:

1600 µg/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG6029

GenBank Accession Number:

BC051869

GeneID (NCBI):

5999

UNIPROT ID:

P49798

Full Name:

regulator of G-protein signaling 4

Calculated MW:

23 kDa

Observed MW:

34 kDa

Purification Method:

Protein G purification

CloneNo.:

1E2E2

Recommended Dilutions:

WB 1:2000-1:12000

Applications

Tested Applications:

WB, ELISA

Cited Applications:

IHC

Species Specificity:

human, rat, mouse, pig

Cited Species:

mouse

Positive Controls:

WB : Neuro-2a cells, C6 cells, Raji cells, SH-SY5Y cells, U-251 cells, Y79 cells

Background Information

Regulator of G protein signaling (RGS) proteins are a large family of highly diverse, multifunctional signaling proteins. RGS4 is one of seven members of a classic R4 RGS protein that accelerates the GTPase activity of the Gai/o and Gaq/11 family members. RGS4 is highly expressed in multiple brain regions including the cerebral cortex, amygdala, hippocampus, and striatum. Extensive studies have demonstrated that RGS4 plays an important role in regulating smooth muscle contraction, cardiomyocyte development, neural plasticity and psychiatric disorders.

Notable Publications

Author	Pubmed ID	Journal	Application
Yan-Cong Wang	33960056	Hippocampus	IHC

Storage

Storage:

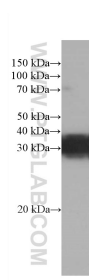
Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

Selected Validation Data



Neuro-2a cells were subjected to SDS PAGE followed by western blot with 66441-1-Ig (RGS4 Antibody) at dilution of 1:6000 incubated at room temperature for 1.5 hours.