

For Research Use Only

RGS4 Monoclonal antibody

Catalog Number: 66441-1-Ig **2 Publications**



Basic Information

Catalog Number: 66441-1-Ig	GenBank Accession Number: BC051869	Purification Method: Protein G purification
Size: 1600 µg/ml	GeneID (NCBI): 5999	CloneNo.: 1E2E2
Source: Mouse	UNIPROT ID: P49798	Recommended Dilutions: WB 1:2000-1:12000
Isotype: IgG1	Full Name: regulator of G-protein signaling 4	
Immunogen Catalog Number: AG6029	Calculated MW: 23 kDa	
	Observed MW: 34 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : Neuro-2a cells, C6 cells, Raji cells, SH-SY5Y cells, U-251 cells, Y79 cells
Cited Applications: WB, IHC	
Species Specificity: human, rat, mouse, pig	
Cited Species: mouse	

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
Ling Jin	39319990	J Cell Physiol	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

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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.