

For Research Use Only

RGS7 Recombinant monoclonal antibody

Catalog Number: 86846-2-RR



Basic Information

Catalog Number: 86846-2-RR	GenBank Accession Number: BC022009	Purification Method: Protein A purification
Source: Rabbit	GeneID (NCBI): 6000	CloneNo.: 251849E9
Isotype: IgG	UNIPROT ID: P49802	Recommended Dilutions: WB: 1:5000-1:50000
Immunogen Catalog Number: AG4982	Full Name: regulator of G-protein signaling 7	
	Calculated MW: 58 kDa	
	Observed MW: 58 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : SH-SY5Y cells, mouse brain tissue, rat brain tissue, U-87 MG cells, SK-N-SH cells, Neuro-2a cells
Species Specificity: human, mouse, rat	

Background Information

Regulator of G-protein signaling 7 (RGS7) expression is both necessary and sufficient to promote doxorubicin-dependent acetylation and activation of NF- κ B subunit p65 and resultant production of pro-inflammatory cytokines from cardiomyocytes (PMID: 37589751). RGS7 promotes apoptosis in cardiac myocytes by increasing oxidative stress and impairing mitochondrial function, actions that involve a direct and functional interaction between RGS7 and the Ca²⁺/calmodulin-dependent kinase CaMKII (PMID: 36574707). In non-neuronal cell types, it is possible that a greater proportion of RGS7 may be present in the cytosol where it is free to interact with additional effectors (PMID: 36574707).

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

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

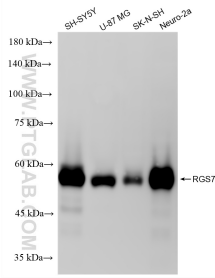
T: 4006900926

E: Proteintech-CN@ptglab.com

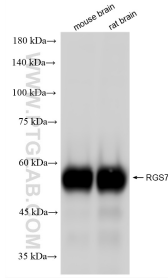
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 86846-2-RR (RGS7 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



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