

For Research Use Only

RGS5 Recombinant monoclonal antibody

Catalog Number: 88404-1-RR



Basic Information

Catalog Number: 88404-1-RR	GenBank Accession Number: BC030059	Purification Method: Protein A purification
Source: Rabbit	GeneID (NCBI): 8490	CloneNo.: 260952D7
Isotype: IgG	UNIPROT ID: O15539	Recommended Dilutions: WB: 1:5000-1:50000 IF/ICC: 1:200-1:800
Immunogen Catalog Number: AG2196	Full Name: regulator of G-protein signaling 5	
	Calculated MW: 181 aa, 21 kDa	
	Observed MW: 42 kDa	

Applications

Tested Applications: WB, IF/ICC, ELISA	Positive Controls:
Species Specificity: human, mouse, rat	WB : SK-N-SH cells, SH-SY5Y cells, HUVEC cells, NIH/3T3 cells, mouse skeletal muscle tissue, rat skeletal muscle tissue
	IF/ICC : NIH/3T3 cells,

Background Information

RGS5 inhibits signal transduction by increasing the GTPase activity of G protein alpha subunits thereby driving them into their inactive GDP-bound form. It binds to G(i)-alpha and G(o)-alpha, but not to G(s)-alpha. The 42kDa band recognized by this antibody is a RGS5-RGS5 dimer. (PMID:17762159)

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:

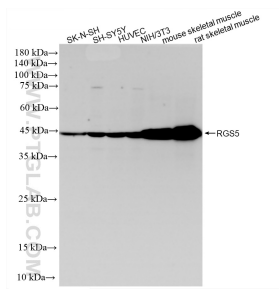
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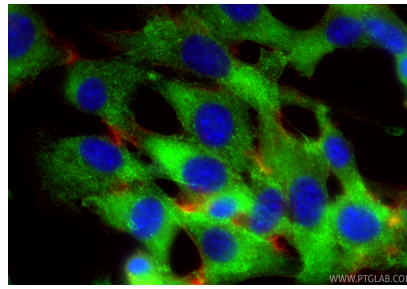
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 88404-1-RR (RGS5 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Ethanol) fixed NIH/3T3 cells using RG5 antibody (88404-1-RR, Clone: 260952D7) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).