

For Research Use Only

RGS8 Recombinant monoclonal antibody, PBS Only (Capture)

Catalog Number: 88102-1-PBS



Basic Information

Catalog Number: 88102-1-PBS	GenBank Accession Number: BC069718	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 85397	CloneNo.: 260122C3
Source: Rabbit	UNIPROT ID: P57771	
Isotype: IgG	Full Name: regulator of G-protein signaling 8	
Immunogen Catalog Number: AG26535	Calculated MW: 198 aa, 23 kDa	
	Observed MW: 18-20 kDa	

Applications

Tested Applications:
WB, IF-P, Sandwich ELISA, Indirect ELISA

Species Specificity:
human, mouse, rat, pig

Product Information

88102-1-PBS targets RGS8 as part of a matched antibody pair:

MP03353-2: 88102-1-PBS capture and 88102-3-PBS detection (validated in Sandwich ELISA)

Unconjugated rabbit recombinant monoclonal antibody in PBS only (BSA and azide free) storage buffer at a concentration of 1 mg/mL, ready for conjugation. Created using Proteintech's proprietary in-house recombinant technology. Recombinant production enables unrivalled batch-to-batch consistency, easy scale-up, and future security of supply.

This conjugation ready format makes antibodies ideal for use in many applications including: ELISAs, multiplex assays requiring matched pairs, mass cytometry, and multiplex imaging applications. Antibody use should be optimized by the end user for each application and assay.

Background Information

RGS8 is a member of the regulator of G protein signaling (RGS) family and encodes a protein with a single RGS domain. Regulator of G protein signaling (RGS) proteins are regulatory and structural components of G protein-coupled receptor complexes. They accelerate transit through the cycle of GTP binding and hydrolysis to GDP, thereby terminating signal transduction, but paradoxically, also accelerate receptor-stimulated activation.

Storage

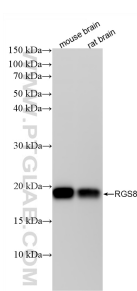
Storage:
Store at -80°C.

Storage Buffer:
PBS only, pH7.3

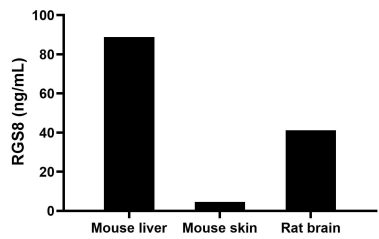
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

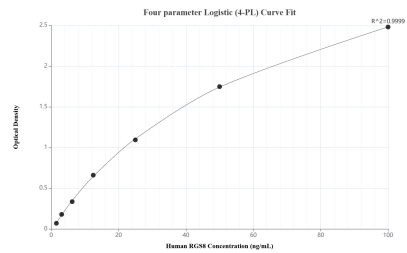
Selected Validation Data



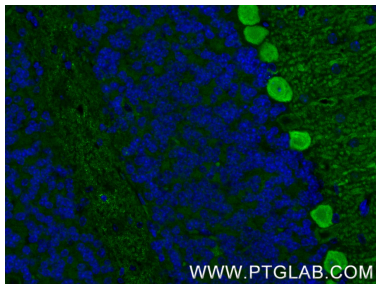
Various lysates were subjected to SDS PAGE followed by western blot with 88102-1-RR (RGS8 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 88102-1-PBS in a different storage buffer formulation.



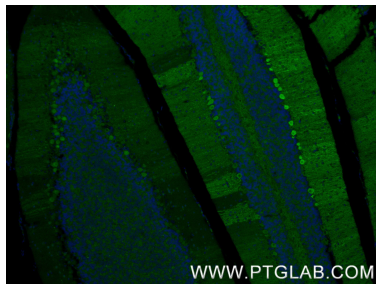
The mean RGS8 concentration was determined to be 88.79 ng/mL in mouse liver extract based on a 8.40 mg/mL extract load, 4.65 ng/mL in mouse skin extract based on a 0.90 mg/mL extract load and 41.22 ng/mL in rat brain extract based on a 3.90 mg/mL extract load.



Sandwich ELISA standard curve of MP03353-2, Human RGS8 Recombinant Matched Antibody Pair - PBS only. 88102-1-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Ag26535. 88102-3-PBS was HRP conjugated as the detection antibody. Range: 1.56-100 ng/mL.



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse cerebellum tissue using RGS8 antibody (88102-1-RR, Clone: 260122C3) at dilution of 1:200 and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 88102-1-PBS in a different storage buffer formulation.



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