

For Research Use Only

STMN2 Recombinant antibody, PBS Only

Catalog Number: 82925-1-PBS



Basic Information

Catalog Number: 82925-1-PBS	GenBank Accession Number: BC006302	Purification Method: Protein A purification
Size: 100ug , Concentration: 1mg/ml by Nanodrop;	GeneID (NCBI): 11075	CloneNo.: 230110D5
Source: Rabbit	UNIPROT ID: Q93045	
Isotype: IgG	Full Name: stathmin-like 2	
Immunogen Catalog Number: AG0929	Calculated MW: 21 kDa	
	Observed MW: 18-21 kDa	

Applications

Tested Applications:
WB, IHC, IF/ICC, IF-P, FC (Intra), IP, Indirect ELISA

Species Specificity:
human, mouse, rat

Background Information

Stathmin-2 (encoded by STMN2), a member of the stathmin family of proteins, encodes a phosphoprotein that has an important role in microtubule dynamics. The STMN2 protein promotes microtubule dynamics in axonal growth cones, and is thought to play an important role in neurite outgrowth. STMN2 protein is localized in both Golgi and cytosolic compartments. Its expression appears modulated in osteoblasts by nerve growth factor, dexamethasone or RhoA kinase inhibitor Y-27632 which are known effectors of osteogenesis. (PMID: 33841129, PMID: 18611392)

Storage

Storage:
Store at -80°C.
Storage Buffer:
PBS Only

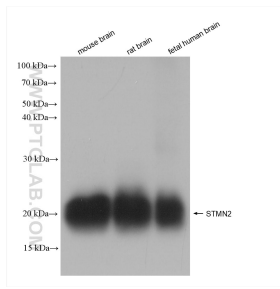
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

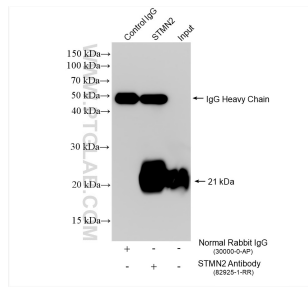
E: proteintech@ptglab.com
W: ptglab.com

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

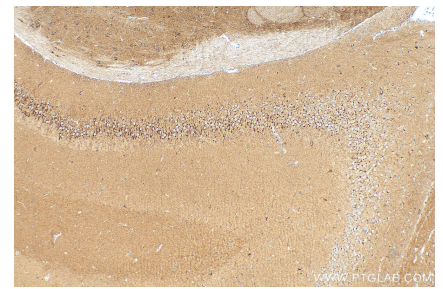
Selected Validation Data



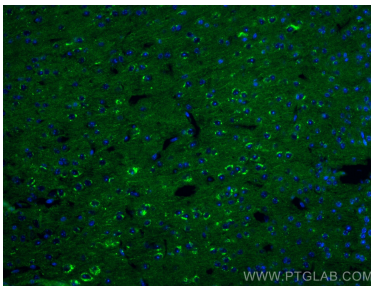
Various lysates were subjected to SDS PAGE followed by western blot with 82925-1-RR (STMN2 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 82925-1-PBS in a different storage buffer formulation.



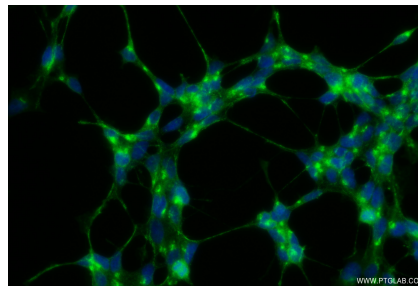
IP result of anti-STMN2 (IP:82925-1-RR, 4ug; Detection:82925-1-RR 1:5000) with mouse brain tissue lysate 1800 ug. This data was developed using the same antibody clone with 82925-1-PBS in a different storage buffer formulation.



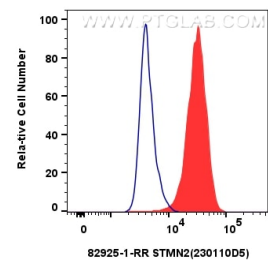
Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 82925-1-RR (STMN2 antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 82925-1-PBS in a different storage buffer formulation.



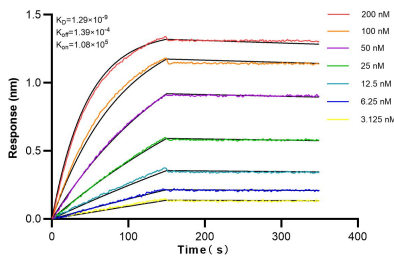
Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse brain tissue using STMN2 antibody (82925-1-RR, Clone: 230110D5) at dilution of 1:500 and Multi-rAb CoraLite® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 82925-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed SH-SY5Y cells using STMN2 antibody (82925-1-RR, Clone: 230110D5) at dilution of 1:400 and CoraLite® 488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L). This data was developed using the same antibody clone with 82925-1-PBS in a different storage buffer formulation.



1x10⁶ SH-SY5Y cells were intracellularly stained with 0.4 ug STMN2 Recombinant antibody (82925-1-RR, Clone:230110D5) and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2)(red), or 0.4 ug Rabbit IgG control Rabbit PolyAb (30000-0-AP) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C). This data was developed using the same antibody clone with 82925-1-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 82925-1-RR against Human STMN2 were performed. The affinity constant is 1.29 nM.