

For Research Use Only

STMN2 Polyclonal antibody

Catalog Number: 10586-1-AP

Featured Product

15 Publications



Basic Information

Catalog Number: 10586-1-AP	GenBank Accession Number: BC006302	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 600 µg/ml by Nanodrop and 180 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 11075	Recommended Dilutions: WB 1:2000-1:10000 IP 0.5-4.0 ug for IP and 1:1000-1:4000 for WB
Source: Rabbit	Full Name: stathmin-like 2	IHC 1:50-1:500 IF 1:10-1:100
Isotype: IgG	Calculated MW: 21 kDa	
Immunogen Catalog Number: AG0929	Observed MW: 18-21 kDa	

Applications

Tested Applications: IF, IHC, IP, WB, ELISA	Positive Controls:
Cited Applications: IF, IHC, WB	WB : mouse brain tissue,
Species Specificity: human, mouse, rat	IP : mouse brain tissue,
Cited Species: human, mouse, zebrafish	IHC : mouse brain tissue,
	IF : SH-SY5Y cells, mouse brain tissue
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

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)

Notable Publications

Author	Pubmed ID	Journal	Application
Konstantin Feinberg	28877995	J Cell Biol	WB
Adam Tuttle	31476133	Elife	IHC
Andrea Loreto	31740269	Neurobiol Dis	WB

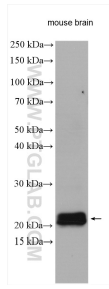
Storage

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

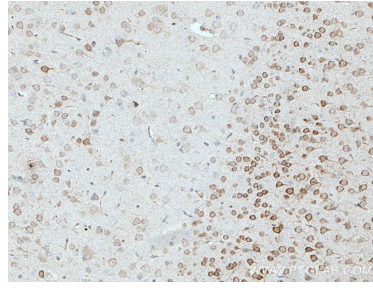
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

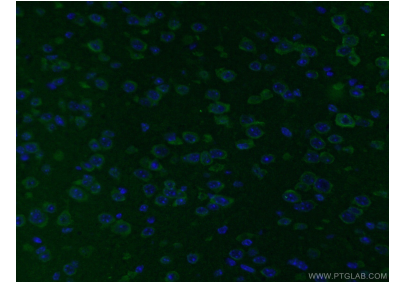
Selected Validation Data



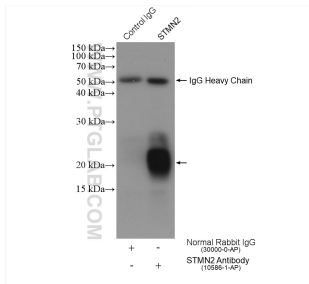
mouse brain tissue were subjected to SDS PAGE followed by western blot with 10586-1-AP (STMN2 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



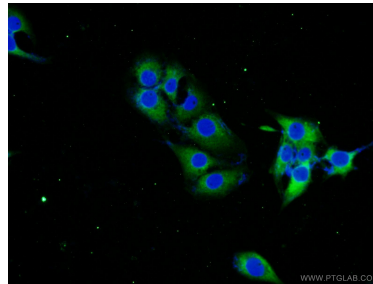
Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 10586-1-AP (STMN2 antibody) at dilution of 1:200 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed mouse brain tissue using 10586-1-AP (STMN2 antibody) at dilution of 1:50 and Alexa Fluor 488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



IP result of anti-STMN2(IP:10586-1-AP, 4ug; Detection:10586-1-AP 1:2000) with mouse brain tissue lysate 2080 ug.



Immunofluorescent analysis of SH-SY5Y cells using 10586-1-AP (STMN2 antibody) at dilution of 1:25 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).