

For Research Use Only

Stathmin 1 Recombinant antibody

Catalog Number: 82559-1-RR



Basic Information

Catalog Number: 82559-1-RR	GenBank Accession Number: BC014353	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 3925	CloneNo.: 2H6
Source: Rabbit	Full Name: stathmin 1/oncoprotein 18	Recommended Dilutions: WB 1:2000-1:10000 IHC 1:1000-1:4000 IF 1:500-1:2000
Isotype: IgG	Calculated MW: 18 kDa	
Immunogen Catalog Number: AG1633	Observed MW: 18 kDa	

Applications

Tested Applications: IF, IHC, WB, ELISA	Positive Controls: WB : SH-SY5Y cells, Jurkat cells, PC-12 cells IHC : rat brain tissue, IF : HeLa cells, NIH/3T3 cells
Species Specificity: Human, rat, mouse	
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 1 (STMN1) normally regulates microtubule dynamics either by sequestering free tubulin heterodimers or by promoting microtubule catastrophe. STMN1 is highly expressed in fetal and adult brain, spinal cord, and cerebellum. Many different phosphorylated forms are observed depending on specific combinations among the sites which can be phosphorylated. Phosphorylation of stathmin is involved in response to NGF, neuron polarization and microtubule polymerization inhibition activity. Increased expression of STMN1 has been observed in a variety of human malignancies, such as colorectal primary tumors and metastatic tissues, but its association with melanoma is so far not well known.

Storage

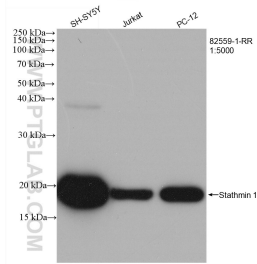
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

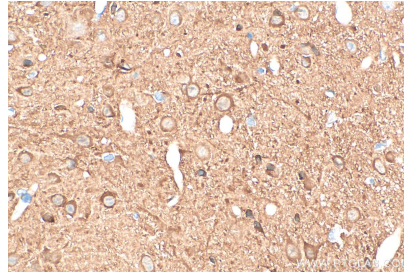
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

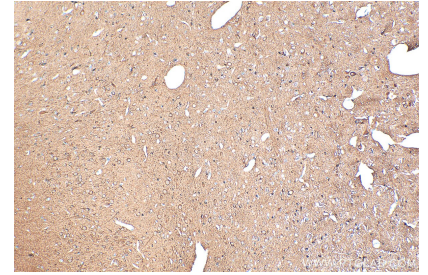
Selected Validation Data



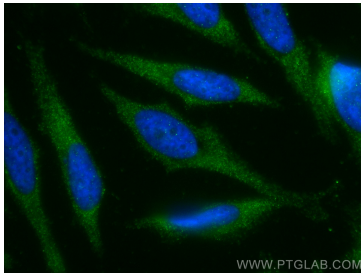
Various lysates were subjected to SDS PAGE followed by western blot with 82559-1-RR (Stathmin 1 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



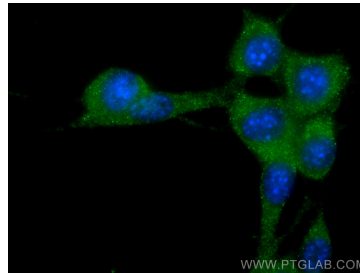
Immunohistochemical analysis of paraffin-embedded rat brain tissue slide using 82559-1-RR (Stathmin 1 antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded rat brain tissue slide using 82559-1-RR (Stathmin 1 antibody) at dilution of 1:2000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Methanol) fixed HeLa cells using Stathmin 1 antibody (82559-1-RR, Clone: 2H6) at dilution of 1:1000 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunofluorescent analysis of (-20°C Methanol) fixed NIH/3T3 cells using Stathmin 1 antibody (82559-1-RR, Clone: 2H6) at dilution of 1:1000 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).