

For Research Use Only

STMN2 Monoclonal antibody

Catalog Number: 67204-1-Ig **1 Publications**



Basic Information

Catalog Number: 67204-1-Ig	GenBank Accession Number: BC006302	Purification Method: Protein A purification
Size: 1000 µg/ml	GeneID (NCBI): 11075	CloneNo.: 1F6C4
Source: Mouse	UNIPROT ID: Q93045	Recommended Dilutions: WB 1:2000-1:10000 IHC 1:50-1:500 IF 1:500-1:2000
Isotype: IgG1	Full Name: stathmin-like 2	
Immunogen Catalog Number: AG28990	Calculated MW: 21 kDa	
	Observed MW: 22 kDa	

Applications

Tested Applications:
IF/ICC, IHC, WB, ELISA

Cited Applications:
IF

Species Specificity:
Human, Mouse, Rat, Pig

Cited Species:
human

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB: PC-12 cells, fetal human brain tissue, pig brain tissue, rat brain tissue, mouse brain tissue

IHC: mouse brain tissue,

IF: SH-SY5Y cells,

Background Information

STMN2 gene encodes a SCG10 (superior cervical ganglion-10) protein, a regulator of microtubule stability. When phosphorylated by MAPK8, SCG10 stabilizes microtubules and consequently controls neurite length in cortical neurons. SCG10 was early considered a neuron-specific growth-associated protein in Alzheimer's disease. In the developing brain, SCG10 negatively regulates the rate of exit from multipolar stage and retards radial migration from the ventricular zone.

Notable Publications

Author	Pubmed ID	Journal	Application
Marian Hruska-Plochan	38355792	Nature	IF

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:

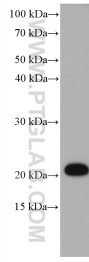
T: 4006900926

E: Proteintech-CN@ptglab.com

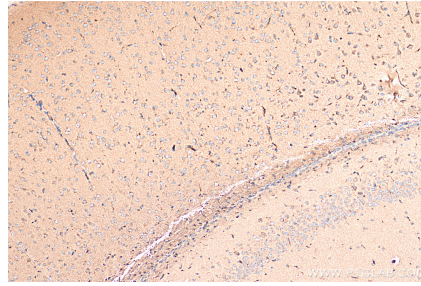
W: ptgcn.com

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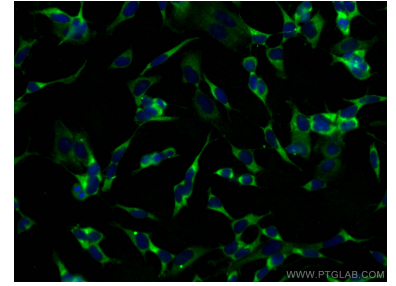
Selected Validation Data



PC-12 cells were subjected to SDS PAGE followed by western blot with 67204-1-Ig (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 67204-1-Ig (STMN2 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed SH-SY5Y cells using STMN2 antibody (67204-1-Ig, Clone: 1F6C4) at dilution of 1:1000 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).