

## STMN2 Monoclonal antibody

Catalog Number: 67204-1-Ig

Featured Product

1 Publications

## Basic Information

## Catalog Number:

67204-1-Ig

## Size:

150ul , Concentration: 1000 ug/ml by Nanodrop and 428 ug/ml by Bradford method using BSA as the standard;

## Source:

Mouse

## Isotype:

IgG1

## Immunogen Catalog Number:

AG28990

## GenBank Accession Number:

BC006302

## GeneID (NCBI):

11075

## UNIPROT ID:

Q93045

## Full Name:

stathmin-like 2

## Calculated MW:

21 kDa

## Observed MW:

22 kDa

## Purification Method:

Protein A purification

## CloneNo.:

1F6C4

## Recommended Dilutions:

WB 1:2000-1:10000

IHC 1:50-1:500

IF/ICC 1:500-1:2000

## Applications

## Tested Applications:

WB, IHC, IF/ICC, 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, mouse brain tissue, pig brain tissue, rat brain tissue, SH-SY5Y cells

**IHC** : mouse brain tissue,

**IF/ICC** : 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

\*\*\* 20ul sizes contain 0.1% BSA

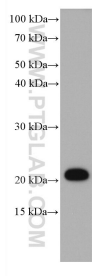
For technical support and original validation data for this product please contact:

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

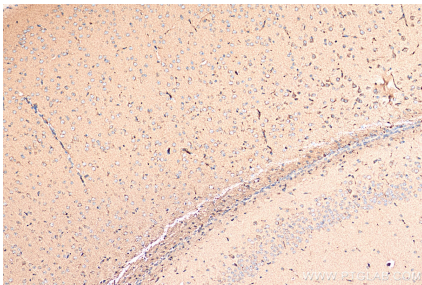
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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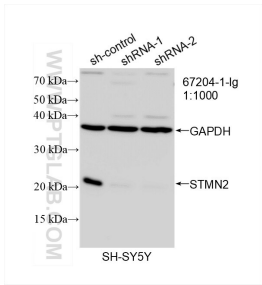
Selected Validation Data



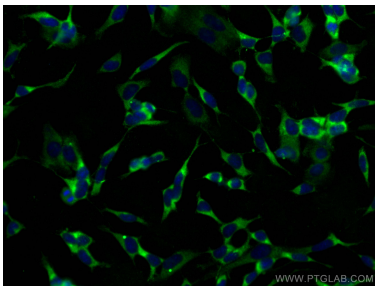
PC-12 cells were subjected to SDS PAGE followed by western blot with 67204-1-Ig (STMN2 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



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).



WB result of STMN2 antibody (67204-1-Ig; 1:1000; incubated at room temperature for 1.5 hours) with sh-Control and sh-STMN2 transfected SH-SY5Y cells.



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).