

For Research Use Only

STMN2 Monoclonal antibody

Catalog Number: 67204-1-Ig

Featured Product

1 Publications



Basic Information

Catalog Number:

67204-1-Ig

Size:

1000 ug/ml

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

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

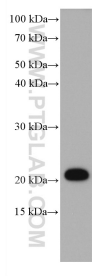
T: 4006900926

E: Proteintech-CN@ptglab.com

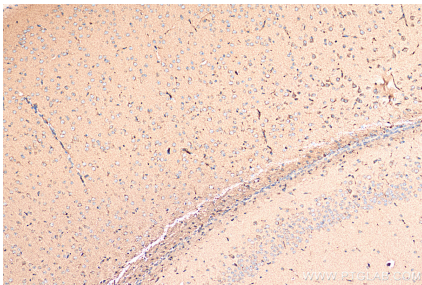
W: ptgcn.com

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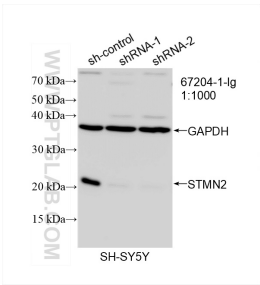
Selected Validation Data



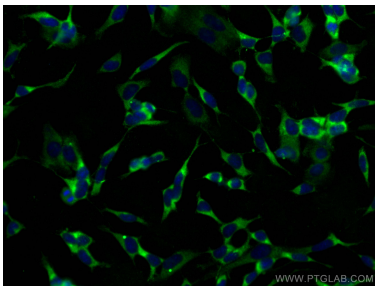
PC-12 cells were subjected to SDS PAGE followed by western blot with 67204-1-Ig (STMN2 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



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).



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).