

For Research Use Only

# STMN3 Polyclonal antibody

Catalog Number: 11311-1-AP

Featured Product

9 Publications



## Basic Information

Catalog Number:

11311-1-AP

Size:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG1853

GenBank Accession Number:

BC009381

GeneID (NCBI):

50861

UNIPROT ID:

Q9NZ72

Full Name:

stathmin-like 3

Calculated MW:

21 kDa

Observed MW:

21-25 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:5000-1:20000

## Applications

Tested Applications:

WB, ELISA

Cited Applications:

WB, IHC, IF

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse

Positive Controls:

WB : SH-SY5Y cells,

## Background Information

Stathmin family phosphoproteins participate in the control of microtubule dynamics and have been proposed to be involved in the control of neuronal differentiation. Neuron specific Stathmin-3 (STMN3) is a novel STAT3 (signal transducer and activator of transcription 3) interacting protein. STAT3 is a key contributor to cancer cell migration and invasion. STMN3 exhibits microtubule-destabilizing activity, which is antagonized by STAT3. SCG10 is a widely studied and recognized neuronal differentiation marker, STMN3 is a SCG10-like protein (SCLIP) and is present from the earliest stages of hippocampal neuron differentiation in culture at vesicle-like structures following dynamic microtubules. RNAi mediated inhibition of this gene resulted in increased axonal branching.

## Notable Publications

Author	Pubmed ID	Journal	Application
Stephan Singer	19258502	Cancer Res	WB, IHC
Nicholas Rooney	32156779	Cancer Res	WB
Kelsey L Krus	35767949	Cell Rep	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:

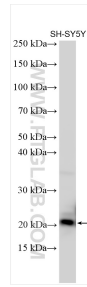
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

W: [ptgcn.com](http://ptgcn.com)

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

## Selected Validation Data



SH-SY5Y cells were subjected to SDS PAGE followed by western blot with 11311-1-AP (STMN3 antibody) at dilution of 1:15000 incubated at room temperature for 1.5 hours.