

For Research Use Only

# STMN3 Polyclonal antibody

Catalog Number:11311-1-AP

Featured Product

9 Publications



## Basic Information

**Catalog Number:**

11311-1-AP

**GenBank Accession Number:**

BC009381

**Purification Method:**

Antigen affinity purification

**Size:**

150ul , Concentration: 1000 ug/ml by Nanodrop and 447 ug/ml by Bradford method using BSA as the standard;

**GeneID (NCBI):**

50861

**Recommended Dilutions:**

WB 1:5000-1:20000

**Source:**

Rabbit

**UNIPROT ID:**

Q9NZ72

**Full Name:**

stathmin-like 3

**Isotype:**

IgG

**Calculated MW:**

21 kDa

**Immunogen Catalog Number:**

AG1853

**Observed MW:**

21-25 kDa

## Applications

**Tested Applications:**

WB, ELISA

**Positive Controls:**

WB : SH-SY5Y cells,

**Cited Applications:**

WB, IHC, IF

**Species Specificity:**

human, mouse, rat

**Cited Species:**

human, mouse

## 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

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

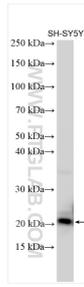
For technical support and original validation data for this product please contact:

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## 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.