

For Research Use Only

# STMN3 Monoclonal antibody

Catalog Number: 66152-1-Ig



## Basic Information

<b>Catalog Number:</b> 66152-1-Ig	<b>GenBank Accession Number:</b> BC009381	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 1000 µg/ml	<b>GeneID (NCBI):</b> 50861	<b>CloneNo.:</b> 1F12B1
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> Q9NZ72	<b>Recommended Dilutions:</b> WB 1:500-1:2000
<b>Isotype:</b> IgG2b	<b>Full Name:</b> stathmin-like 3	
<b>Immunogen Catalog Number:</b> AG18844	<b>Calculated MW:</b> 21 kDa	
	<b>Observed MW:</b> 21 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : human brain tissue,
<b>Species Specificity:</b> human	

## 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.

## 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:

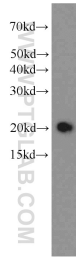
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## Selected Validation Data



human brain tissue were subjected to SDS PAGE followed by western blot with 66152-1-Ig (STMN3 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.