

For Research Use Only

STMN3 Monoclonal antibody

Catalog Number: 66152-1-Ig



Basic Information

Catalog Number: 66152-1-Ig	GenBank Accession Number: BC009381	Purification Method: Protein G purification
Size: 150ul , Concentration: 1000 µg/ml by Nanodrop and 547 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 50861	CloneNo.: 1F12B1
Source: Mouse	Full Name: stathmin-like 3	Recommended Dilutions: WB 1:500-1:2000
Isotype: IgG2b	Calculated MW: 21 kDa	
Immunogen Catalog Number: AG18844	Observed MW: 21 kDa	

Applications

Tested Applications: WB,ELISA	Positive Controls: WB : human brain tissue,
Species Specificity: 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

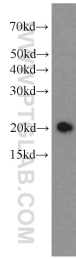
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 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)
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W: ptglab.com

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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.