

For Research Use Only

STMN3 Monoclonal antibody, PBS Only



Catalog Number: 66152-1-PBS

Basic Information

Catalog Number: 66152-1-PBS	GenBank Accession Number: BC009381	Purification Method: Protein A purification
Size: 1 mg/ml	GeneID (NCBI): 50861	CloneNo.: 1F12B1
Source: Mouse	UNIPROT ID: Q9NZ72	
Isotype: IgG2b	Full Name: stathmin-like 3	
Immunogen Catalog Number: AG18844	Calculated MW: 21 kDa	
	Observed MW: 21 kDa	

Applications

Tested Applications:
WB, Indirect ELISA

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 -80°C.

Storage Buffer:
PBS Only

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

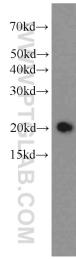
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Selected Validation Data



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. This data was developed using the same antibody clone with 66152-1-PBS in a different storage buffer formulation.