

STMN3 Monoclonal antibody, PBS Only

Catalog Number: 66152-1-PBS

Basic Information

Catalog Number:

66152-1-PBS

Size:

1 mg/ml

Source:

Mouse

Isotype:

IgG2b

Immunogen Catalog Number:

AG18844

GenBank Accession Number:

BC009381

GeneID (NCBI):

50861

UNIPROT ID:

Q9NZ72

Full Name:

stathmin-like 3

Calculated MW:

21 kDa

Observed MW:

21 kDa

Purification Method:

Protein A purification

CloneNo.:

1F12B1

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:

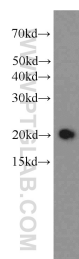
Store at -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS Only

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.