

STMN3 Polyclonal Antibody

Catalog number: 11311-1-AP

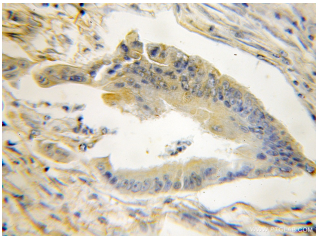
Size: 67 µg/150 µl

Source: Rabbit

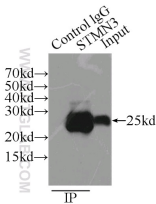
Isotype: IgG

Synonyms:

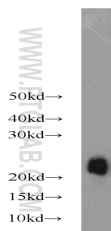
STMN3; SCG10 like protein,
SCLIP, Stathmin 3, stathmin like
3, STMN3



Immunohistochemical of paraffin-embedded human colon cancer using 11311-1-AP (STMN3 antibody) at dilution of 1:50 (under 10x lens)



IP Result of anti-STMN3 (IP:11311-1-AP, 3µg; Detection:11311-1-AP 1:2000) with mouse brain tissue lysate 8000µg.



human brain tissue were subjected to SDS PAGE followed by western blot with 11311-1-AP (STMN3 antibody) at dilution of 1:2000

Background

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.

Applications

Tested applications:	ELISA, IHC, IP, WB
Cited applications:	WB
Species specificity:	Human, Mouse, Rat; other species not tested.
Cited species:	Human
Calculated STMN3 MW:	21 kDa
Observed STMN3 MW:	21-25kd
Positive WB detected in	Human brain tissue, rat brain tissue
Positive IP detected in	Mouse brain tissue
Positive IHC detected in	Human colon cancer tissue
Recommended dilution:	WB: 1:1000-1:10000 IP: 1:1000-1:10000 IHC: 1:20-1:200

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

Immunogen information

Immunogen:	Ag1853
GenBank accession number:	BC009381
Gene ID (NCBI):	50861
Full name:	Stathmin-like 3

Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.1% sodium azide and 50% glycerol pH 7.3. Store at -20°C.