

## STMN2 Polyclonal Antibody

Catalog number: 10586-1-AP

Size: 27 µg/150 µl

Source: Rabbit

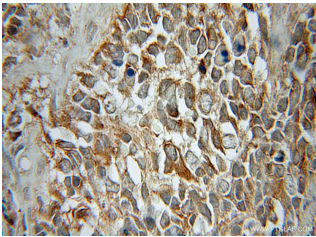
Isotype: IgG

Synonyms:

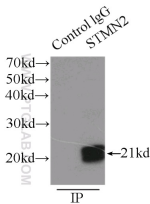
STMN2; Protein SCG10, SCG10,

SCGN10, SGC10, Stathmin 2,

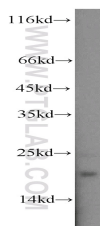
stathmin like 2, STMN2



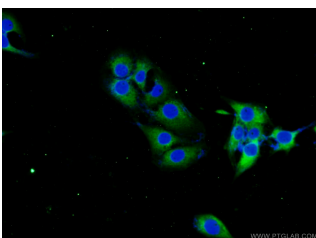
Immunohistochemical of paraffin-embedded human medulloblastoma using 10586-1-AP(STMN2 antibody) at dilution of 1:100 (under 10x lens)



IP Result of anti-STMN2 (IP:10586-1-AP, 3µg; Detection:10586-1-AP 1:1000) with mouse brain tissue lysate 9500µg.



mouse brain tissue were subjected to SDS PAGE followed by western blot with 10586-1-AP(STMN2 antibody) at dilution of 1:2000



Immunofluorescent analysis of SH-SY5Y cells using 10586-

### Background

STMN2 gene encodes a SCG10 (superior cervical ganglion-10) protein, a regulator of microtubule stability. When phosphorylated by MAPK8, SCG10 stabilizes microtubules and consequently controls neurite length in cortical neurons. SCG10 was early considered a neuron-specific growth-associated protein in Alzheimer's disease. In the developing brain, SCG10 negatively regulates the rate of exit from multipolar stage and retards radial migration from the ventricular zone.

### Applications

Tested applications:	ELISA, IHC, IP, WB, IF
Cited applications:	IF, IHC, WB
Species specificity:	Human, Mouse, Rat; other species not tested.
Cited species:	Mouse
Calculated STMN2 MW:	21 kDa
Observed STMN2 MW:	18-21kd
Positive WB detected in	Mouse brain tissue, mouse cerebellum tissue
Positive IP detected in	Mouse brain tissue
Positive IHC detected in	Human medulloblastoma tissue
Positive IF detected in	SH-SY5Y cells
Recommended dilution:	WB: 1:1000-1:10000
	IP: 1:500-1:5000
	IHC: 1:20-1:200
	IF: 1:10-1:100

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

### Immunogen information

Immunogen:	Ag0929
GenBank accession number:	BC006302
Gene ID (NCBI):	11075
Full name:	Stathmin-like 2

### Product information

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

**1-AP( STMN2 Antibody) at  
dilution of 1:25 and Alexa  
Fluor 488-conjugated  
AffiniPure Goat Anti-Rabbit  
IgG(H+L)**