

## Stathmin 1 Polyclonal Antibody

Catalog number: 11157-1-AP

Size: 67 µg/150 µl

Source: Rabbit

Isotype: IgG

Synonyms:

STMN1; C1orf215, FLJ32206,

Lag, LAP18, Metablastin,

Oncoprotein 18, OP18,

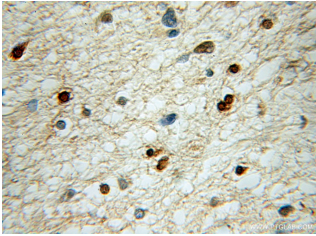
Phosphoprotein p19, PP17,

PP19, PR22, Prosolin, Protein

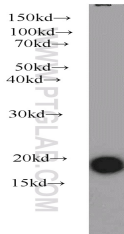
Pr22, SMN, Stathmin, stathmin

1/oncoprotein 18, Stathmin1,

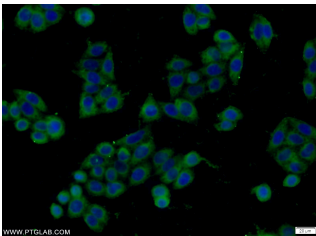
STMN1



Immunohistochemical of paraffin-embedded human gliomas using 11157-1-AP(STMN1 antibody) at dilution of 1:50 (under 10x lens)



Jurkat cells were subjected to SDS PAGE followed by western blot with 11157-1-AP(STMN1 antibody) at dilution of 1:800



Immunofluorescent analysis of HeLa cells using 11157-1-AP( STMN1 Antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)

### Background

Stathmin 1 (STMN1) normally regulates microtubule dynamics either by sequestering free tubulin heterodimers or by promoting microtubule catastrophe. STMN1 is highly expressed in fetal and adult brain, spinal cord, and cerebellum. Many different phosphorylated forms are observed depending on specific combinations among the sites which can be phosphorylated. Phosphorylation of stathmin is involved in response to NGF, neuron polarization and microtubule polymerization inhibition activity. Increased expression of STMN1 has been observed in a variety of human malignancies, such as colorectal primary tumors and metastatic tissues, but its association with melanoma is so far not well known.

### Applications

Tested applications:	ELISA, WB, IHC, IF
Cited applications:	IHC, WB
Species specificity:	Human, Mouse, Rat; other species not tested.
Cited species:	Human, rat
Calculated Stathmin 1 MW:	18 kDa
Observed Stathmin 1 MW:	18 kDa
Positive WB detected in	Jurkat cells, HeLa cells, human brain tissue, K-562 cells, MDA-MB-453s cells, mouse brain tissue, rat brain tissue
Positive IHC detected in	Human gliomas tissue, human lymphoma tissue
Positive IF detected in	HeLa cells
Recommended dilution:	WB: 1:200-1:2000 IHC: 1:20-1:200 IF: 1:20-1:200

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

### Immunogen information

Immunogen:	Ag1633
GenBank accession number:	BC014353
Gene ID (NCBI):	3925
Full name:	Stathmin 1/oncoprotein 18

### Product information

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