

For Research Use Only

# Stathmin 1 Monoclonal antibody

Catalog Number: 66090-1-Ig **Featured Product**



## Basic Information

<b>Catalog Number:</b> 66090-1-Ig	<b>GenBank Accession Number:</b> BC014353	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 150ul , Concentration: 840 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 3925	<b>CloneNo.:</b> 7D1E1
<b>Source:</b> Mouse	<b>Full Name:</b> stathmin 1/oncoprotein 18	<b>Recommended Dilutions:</b> WB 1:500-1:2000 IHC 1:20-1:200 IF 1:50-1:400
<b>Isotype:</b> IgG1	<b>Calculated MW:</b> 18 kDa	
<b>Immunogen Catalog Number:</b> AG19102	<b>Observed MW:</b> 18 kDa	

## Applications

<b>Tested Applications:</b> IF, IHC, WB, ELISA	<b>Positive Controls:</b>
<b>Species Specificity:</b> human, mouse	<b>WB:</b> Jurkat cells, K-562 cells, human brain tissue
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	<b>IHC:</b> human testis tissue, <b>IF:</b> mouse olfactory epithelium tissue,

## Background Information

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.

## Storage

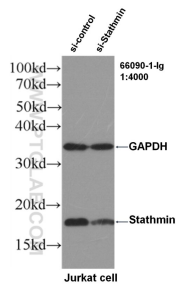
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

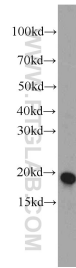
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)      E: proteintech@ptglab.com  
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

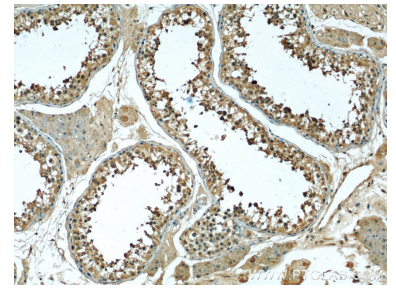
## Selected Validation Data



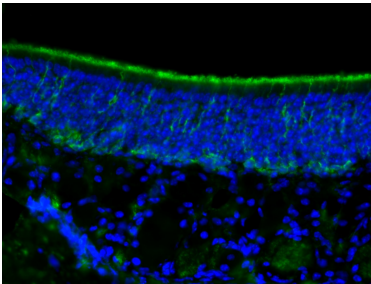
WB result of Stathmin antibody (66090-1-Ig, 1:4000) with si-Control and si-Stathmin transfected Jurkat cells.



Jurkat cells were subjected to SDS PAGE followed by western blot with 66090-1-Ig (Stathmin antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human testis slide using 66090-1-Ig (Stathmin antibody at dilution of 1:50).



Fluorescent IHC on 1%PLP fixed frozen mouse olfactory epithelium tissue of STMN1 antibody (66090-1-Ig, 1:200). Basal cell staining and dendritic processes as expected. By Dr. Brian Lin (Schwob Lab).