

For Research Use Only

Stathmin 1 Monoclonal antibody

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



Basic Information

Catalog Number: 66090-1-Ig	GenBank Accession Number: BC014353	Purification Method: Protein G purification
Size: 840 µg/ml	GeneID (NCBI): 3925	CloneNo.: 7D1E1
Source: Mouse	UNIPROT ID: P16949	Recommended Dilutions: WB 1:500-1:2000 IHC 1:20-1:200
Isotype: IgG1	Full Name: stathmin 1/oncoprotein 18	
Immunogen Catalog Number: AG19102	Calculated MW: 18 kDa	
	Observed MW: 18 kDa	

Applications

Tested Applications:

IF, IHC, WB, ELISA

Species Specificity:

human, mouse

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : Jurkat cells, K-562 cells, human brain tissue

IHC : human testis 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

For technical support and original validation data for this product please contact:

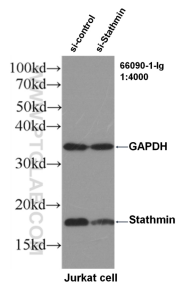
T: 4006900926

E: Proteintech-CN@ptglab.com

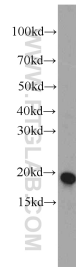
W: ptgcn.com

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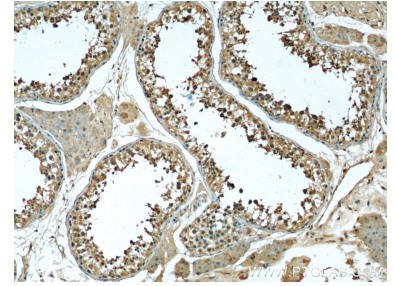
Selected Validation Data



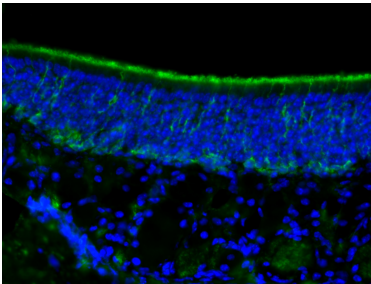
WB result of Stathmin antibody (66090-1-Ig, 1:4000) with si-Control and si-Stathmin transfected Jurkat cells.



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).