

For Research Use Only

# Septin 7 Monoclonal antibody

Catalog Number: 66542-1-Ig

Featured Product

1 Publications



## Basic Information

**Catalog Number:**

66542-1-Ig

**GenBank Accession Number:**

BC025987

**Purification Method:**

Protein G purification

**Size:**

150ul, Concentration: 1700 µg/ml by Nanodrop and 1000 µg/ml by Bradford method using BSA as the standard;

**GeneID (NCBI):**

989

**CloneNo.:**

1G12D1

**Source:**

Mouse

**UNIPROT ID:**

Q16181

**Recommended Dilutions:**

WB 1:5000-1:50000

IHC 1:1000-1:4000

**Isotype:**

IgG1

**Full Name:**

septin 7

**Calculated MW:**

51 kDa

**Immunogen Catalog Number:**

AG4309

**Observed MW:**

48-51 kDa

## Applications

**Tested Applications:**

WB, IHC, ELISA

**Positive Controls:**

**WB:** HeLa cells, HepG2 cells, HEK-293 cells, Jurkat cells, HSC-T6 cells, NIH/3T3 tissue

**Cited Applications:**

WB

**IHC:** human gliomas tissue, human lung tissue, human tonsillitis tissue

**Species Specificity:**

Human, mouse, rat

**Cited Species:**

human

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

## Background Information

Septins (SEPTs) are members of a conserved family of cytoskeletal GTPases involved in various cellular processes, including cytoskeleton organization, cytokinesis, and membrane dynamics. Septin 7 is a unique septin required for filament formation. It has also been reported to be involved in migration and invasion in various cancer cells, including breast cancer and glioma.

## Notable Publications

Author	Pubmed ID	Journal	Application
Juan Sun	38369484	Cancer Cell Int	WB

## 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

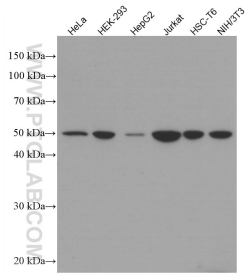
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

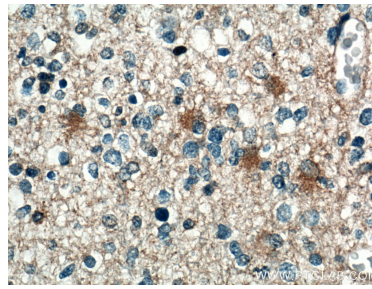
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

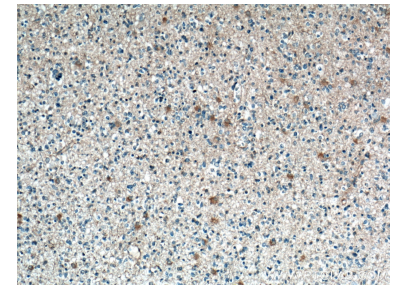
## Selected Validation Data



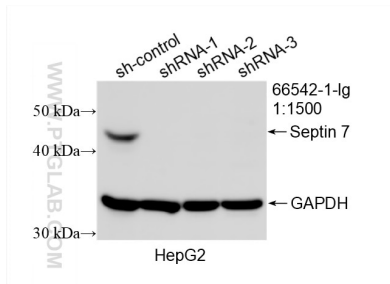
Various lysates were subjected to SDS PAGE followed by western blot with 66542-1-Ig (Septin 7 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human gliomas tissue slide using 66542-1-Ig (Septin 7 antibody) at dilution of 1:2000 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human gliomas tissue slide using 66542-1-Ig (Septin 7 antibody) at dilution of 1:2000 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



WB result of Septin 7 antibody (66542-1-Ig; 1:1500; incubated at room temperature for 1.5 hours) with sh-Control and sh-Septin 7 transfected HepG2 cells.