

For Research Use Only

Septin 7 Monoclonal antibody

Catalog Number: 66542-1-Ig **Featured Product**



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	Full Name: septin 7	Recommended Dilutions: WB 1:5000-1:50000 IHC 1:1000-1:4000
Isotype: IgG1	Calculated MW: 51 kDa	
Immunogen Catalog Number: AG4309	Observed MW: 48-51 kDa	

Applications

Tested Applications:

IHC, WB, ELISA

Species Specificity:

Human, mouse, rat

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

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

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.

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

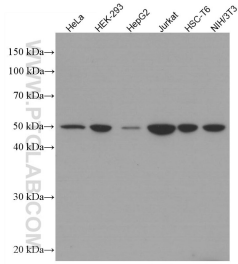
For technical support and original validation data for this product please contact:

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

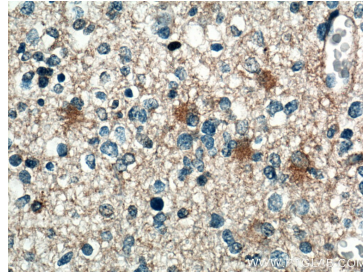
E: proteintech@ptglab.com
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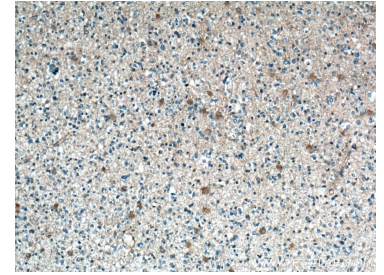
Selected Validation Data



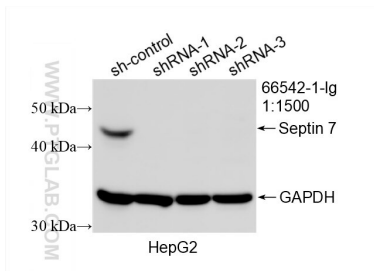
Various lysates were subjected to SDS PAGE followed by western blot with 66542-1-Ig (Septin 7 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



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.