For Research Use Only

Septin 7 Monoclonal antibody

Catalog Number:66542-1-Ig Featured Product 2 Publications

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Basic Information

Catalog Number:
66542-1-Ig

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

Source:
Mouse

Isotype:
IgG1

Immunogen Catalog Number:
AG4309

GenBank Accession Number:
BC025987

GeneID (NCBI):
989

UNIPROT ID:
Q16181

Full Name:
septin 7

Calculated MW:
51 kDa

Observed MW:
48-51 kDa

Purification Method:
Protein G purification

CloneNo.:
1G12D1

Recommended Dilutions:
WB 1:5000-1:50000
IHC 1:1000-1:4000

Applications

Tested Applications:
WB, IHC, ELISA

Cited Applications:
WB, IF

Species Specificity:
human, mouse, rat

Cited Species:
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.

Notable Publications

Author	Pubmed ID	Journal	Application
Zhen Hao	39111626	J Adv Res	WB,IF
Juan Sun	38369484	Cancer Cell Int	WB

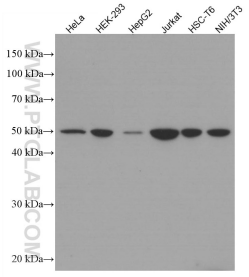
Storage

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

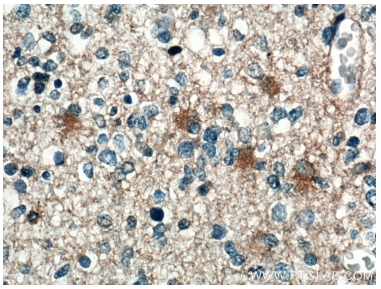
*** 20ul sizes contain 0.1% BSA

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
W: ptglab.com

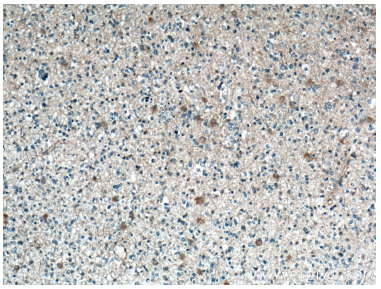
Selected Validation Data



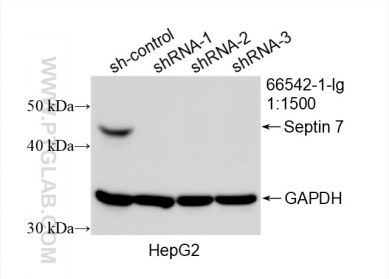
Various lysates were subjected to SDS PAGE followed by western blot with 66542-1-Ig (Septin 7 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



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.