

For Research Use Only

Septin 7 Polyclonal antibody

Catalog Number: 13818-1-AP

Featured Product

37 Publications



Basic Information

Catalog Number:

13818-1-AP

Size:

150ul, Concentration: 550 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG4907

GenBank Accession Number:

BC025987

GeneID (NCBI):

989

UNIPROT ID:

Q16181

Full Name:

septin 7

Calculated MW:

51 kDa

Observed MW:

45-50 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB: 1:1000-1:6000

IHC: 1:50-1:500

IF/ICC: 1:50-1:500

Applications

Tested Applications:

WB, IHC, IF/ICC, ELISA

Cited Applications:

WB, IF, CoIP, PLA

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse, rat, bovine

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 : A375 cells, HepG2 cells, Jurkat cells, rat testis tissue, mouse testis tissue

IHC : human gliomas tissue, human lung cancer tissue

IF/ICC : HepG2 cells,

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. SEPT7 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
Ravinder Kandi	34661963	EMBO Rep	IF, PLA
Aaron J Farrugia	27248291	Small GTPases	IF
Prasad V Phatarpekar	32841357	J Cell Biol	WB

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

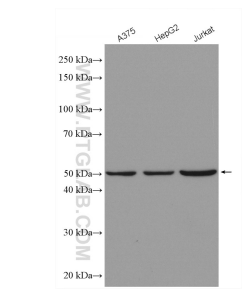
For technical support and original validation data for this product please contact:

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

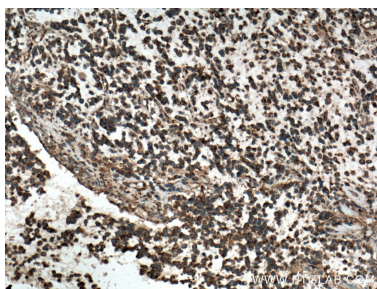
E: proteintech@ptglab.com
W: ptglab.com

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

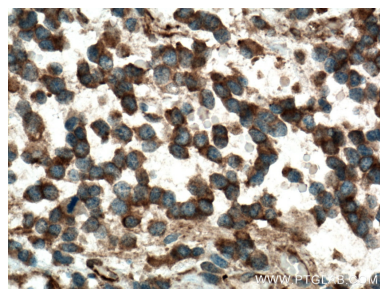
Selected Validation Data



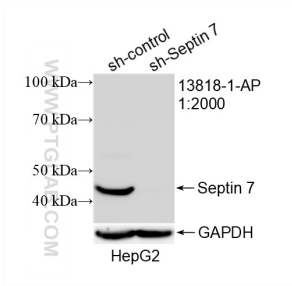
Various lysates were subjected to SDS PAGE followed by western blot with 13818-1-AP (SEPT7 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



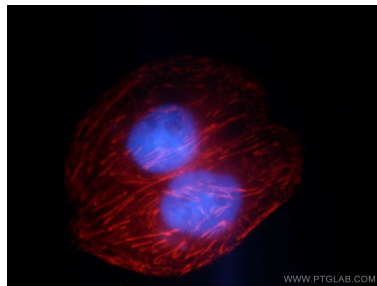
Immunohistochemical analysis of paraffin-embedded human gliomas tissue slide using 13818-1-AP (Septin 7 antibody) at dilution of 1:200 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human gliomas tissue slide using 13818-1-AP (Septin 7 antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



WB result of Septin 7 antibody (13818-1-AP; 1:2000; incubated at room temperature for 1.5 hours) with sh-Control and sh-Septin 7 transfected HepG2 cells.



Immunofluorescent analysis of HepG2 cells, using Septin 7 antibody 13818-1-AP at 1:50 dilution and Rhodamine-labeled goat anti-rabbit IgG (red). Blue pseudocolor = DAPI (fluorescent DNA dye).