

For Research Use Only

Septin 7 Polyclonal antibody

Catalog Number: 13818-1-AP

Featured Product

22 Publications



Basic Information

Catalog Number:

13818-1-AP

Size:

450 µg/ml

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:

IHC 1:50-1:500

IF 1:20-1:200

Applications

Tested Applications:

IF/ICC, IHC, WB, ELISA

Cited Applications:

WB, IF, PLA

Species Specificity:

human, mouse, rat

Cited Species:

human, rat, mouse, 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:

IHC : human gliomas tissue, human lung cancer tissue

IF : hTERT-RPE cells, 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 pH 7.3.

Aliquoting is unnecessary for -20°C storage

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

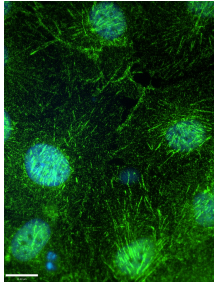
T: 4006900926

E: Proteintech-CN@ptglab.com

W: ptgcn.com

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

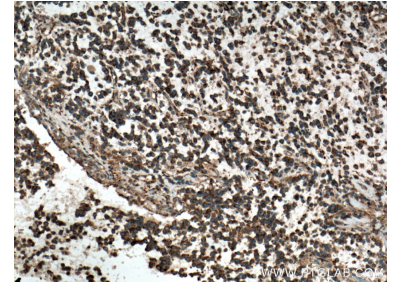
Selected Validation Data



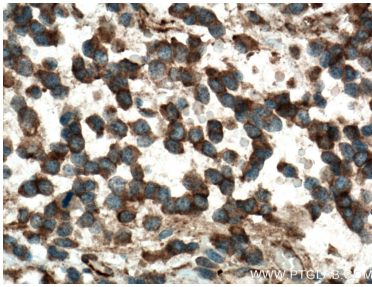
IF result of anti-Septin 7 (13818-1-AP, 1:1000) with hTERT-RPE cell by Dr. Moshe Kim. Green: Septin 7. Blue: DNA. 1% PFA fixed.



HepG2 cells were subjected to SDS PAGE followed by western blot with 13818-1-AP (Septin 7 antibody) at dilution of 1:2000 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).