

For Research Use Only

# Septin 9 Polyclonal antibody

Catalog Number: 10769-1-AP

Featured Product

33 Publications



## Basic Information

### Catalog Number:

10769-1-AP

### Size:

300 ug/ml

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG1218

### GenBank Accession Number:

BC021192

### GeneID (NCBI):

10801

### UNIPROT ID:

Q9UHD8

### Full Name:

septin 9

### Calculated MW:

64 kDa

### Observed MW:

65 kDa, 38-40 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:5000-1:50000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC 1:200-1:2000

IF/ICC 1:50-1:500

## Applications

### Tested Applications:

WB, IHC, IF/ICC, FC (Intra), IP, ELISA

### Cited Applications:

WB, IHC, IF

### Species Specificity:

human, mouse, rat

### Cited Species:

human, mouse, rat, canine, drosophila

**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:** C6 cells, HeLa cells, mouse spleen tissue, mouse brain tissue, mouse thymus tissue, rat brain tissue

**IP:** mouse brain tissue,

**IHC:** human pancreas cancer tissue, human colon tissue, human testis tissue

**IF/ICC:** HeLa cells, hTERT-RPE cells, HepG2 cells, A431 cells

## Background Information

SEPT9 belongs to the septin family which is a group of highly conserved GTP-binding proteins in eukaryotes. SEPT9 plays a role in cytokinesis, the final stage of cell division. SEPT9 gene methylation has been implicated as a biomarker for colorectal cancer(CRC).

## Notable Publications

Author	Pubmed ID	Journal	Application
Sellin Mikael E ME	21737677	Mol Biol Cell	WB
Ann-Kristin Martens	36378242	Cytoskeleton (Hoboken)	WB,IF
Julia Pfanzerter	29921601	J Cell Biol	IF

## 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:

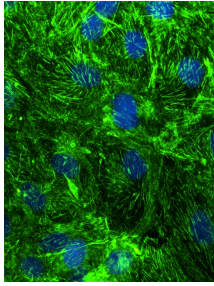
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

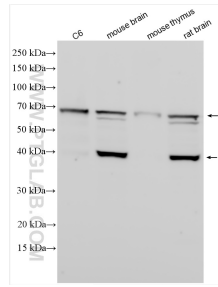
W: [ptgcn.com](http://ptgcn.com)

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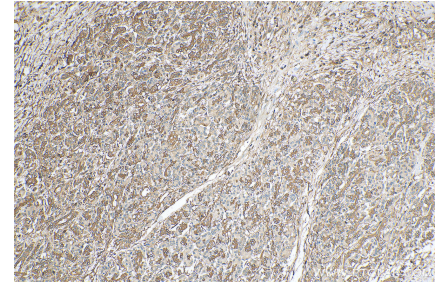
## Selected Validation Data



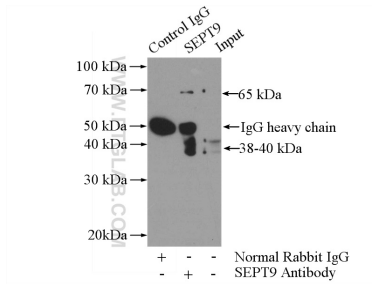
IF result of anti-Septin 9 (10769-1-AP, 1:200) with hTERT-RPE cell by Moshe Kim (laboratory of Dr. William S Trimble, University of Toronto). Green: SEPT9. Blue: DNA. Fixation in methanol.



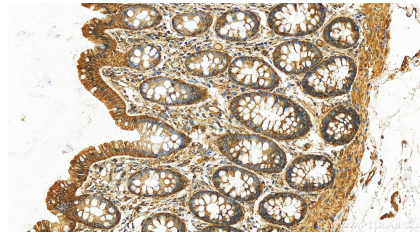
Various lysates were subjected to SDS PAGE followed by western blot with 10769-1-AP (Septin 9 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



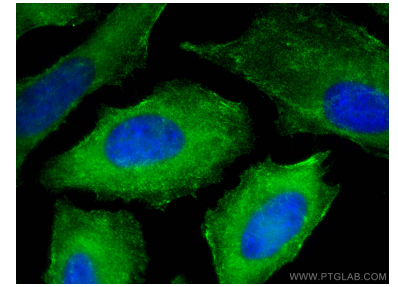
Immunohistochemical analysis of paraffin-embedded human pancreas cancer tissue slide using 10769-1-AP (Septin 9 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



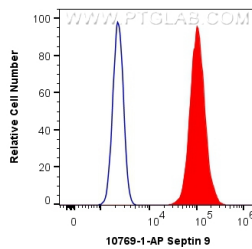
IP result of anti-Septin 9 (IP: 10769-1-AP, 4ug; Detection: 10769-1-AP 1:1000) with mouse brain tissue lysate 4000ug.



Immunohistochemical analysis of paraffin-embedded human colon tissue slide using 10769-1-AP (Septin 9 antibody) at dilution of 1:2000 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Methanol) fixed HeLa cells using Septin 9 antibody (10769-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



1X10<sup>6</sup> HepG2 cells were intracellularly stained with 0.4 ug Anti-Human Septin 9 (10769-1-AP) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Isotype Control. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).