For Research Use Only

Septin 9 Polyclonal antibody

Catalog Number:10769-1-AP Featured Product 39 Publications

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Basic Information

Catalog Number:
10769-1-AP

Size:
150ul , Concentration: 490 ug/ml by Nanodrop;

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
FC (Intra): 0.40 ug per 10^6 cells in a 100 ul suspension

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

FC (Intra) : HepG2 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 Pfanzelter	29921601	J Cell Biol	IF

Storage

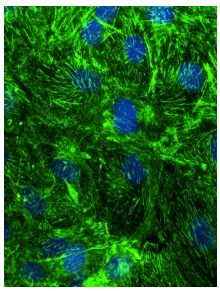
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

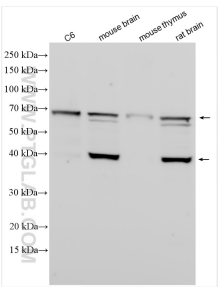
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

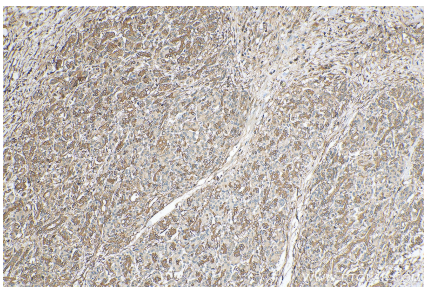
Selected Validation Data



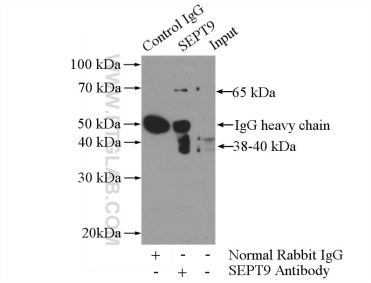
IF result of anti-Septin 9 (10769-1-AP, 1:200) with hTERT-RPE cell by Moshe Kim (laboratory of Dr. William S Trimble, University of Toronto). Green: SEPT9. Blue: DNA. Fixation in methanol.



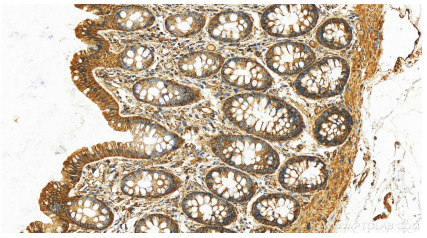
Various lysates were subjected to SDS PAGE followed by western blot with 10769-1-AP (Septin 9 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



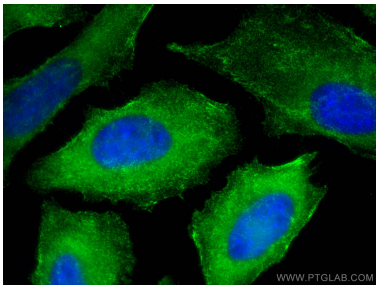
Immunohistochemical analysis of paraffin-embedded human pancreas cancer tissue slide using 10769-1-AP (Septin 9 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



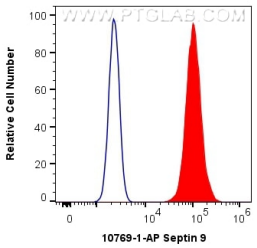
IP result of anti-Septin 9 (IP:10769-1-AP, 4ug; Detection:10769-1-AP 1:1000) with mouse brain tissue lysate 4000ug.



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).



1X10^6 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.