

For Research Use Only

Septin 9 Polyclonal antibody

Catalog Number: 10769-1-AP

Featured Product

27 Publications



Basic Information

Catalog Number: 10769-1-AP	GenBank Accession Number: BC021192	Purification Method: Antigen affinity purification
Size: 150ul, Concentration: 400 µg/ml by Nanodrop;	GeneID (NCBI): 10801	Recommended Dilutions: WB 1:5000-1:50000 IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate IHC 1:50-1:500
Source: Rabbit	Full Name: septin 9	
Isotype: IgG	Calculated MW: 64 kDa	
Immunogen Catalog Number: AG1218	Observed MW: 65 kDa, 38-40 kDa	

Applications

Tested Applications:
FC, IF, IHC, IP, WB, ELISA

Cited Applications:
IF, IHC, WB

Species Specificity:
human, mouse, rat

Cited Species:
human, rat, mouse, Drosophila, canine

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 testis tissue

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 Pfanztler	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

*** 20ul sizes contain 0.1% BSA

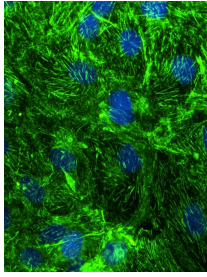
For technical support and original validation data for this product please contact:

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

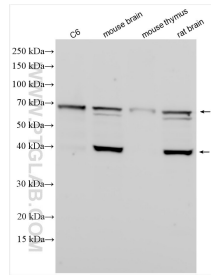
E: proteintech@ptglab.com
W: ptglab.com

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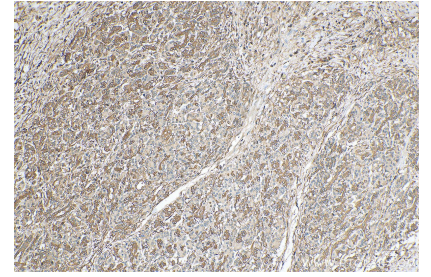
Selected Validation Data



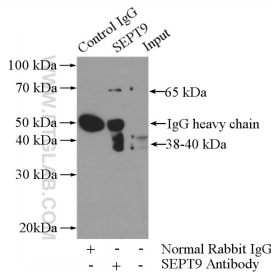
IF result of anti-Septin 9 (10769-1-AP, 1:200) with hTERT-RPE cell by Moshe Kim (laboratory of Dr. William S Trimble, University of Toronto). Green: SEPT9. Blue: DNA. Fixation in methanol.



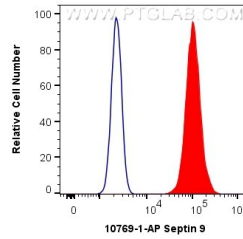
Various lysates were subjected to SDS PAGE followed by western blot with 10769-1-AP (Septin 9 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



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.



1X10⁶ 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).