

For Research Use Only

Coilin Polyclonal antibody, PBS Only

Catalog Number:10967-1-PBS



Basic Information

Catalog Number:

10967-1-PBS

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG1416

GenBank Accession Number:

BC010385

GeneID (NCBI):

8161

UNIPROT ID:

P38432

Full Name:

coilin

Calculated MW:

576 aa, 63 kDa

Observed MW:

80 kDa

Purification Method:

Antigen affinity purification

Applications

Tested Applications:

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

Species Specificity:

human

Background Information

The nuclear coiled body (CBs) and nuclear structures known as gems contain high concentrations of the survival motor neurons (SMN) protein complex. CBs and gems often colocalize, and communication between them is mediated by COIL. COIL is a component of the CBS which are involved in the function or assembly/disassembly of nucleoplasmic snRNPs. During mitosis, CBs disassemble, coinciding with a mitotic-specific phosphorylation of p80 coilin, and symmetrical dimethylation of the COIL RG box motif is a molecular switch that determines whether the SMN complex forms gems or becomes incorporated into CBs

Storage

Storage:

Store at -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS only, pH7.3

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

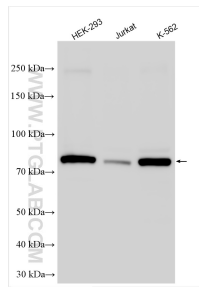
T: 4006900926

E: Proteintech-CN@ptglab.com

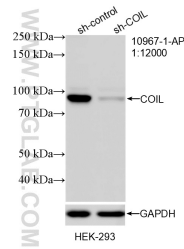
W: ptgcn.com

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

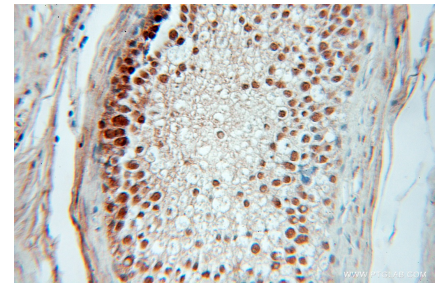
Selected Validation Data



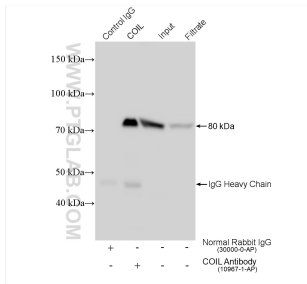
Various lysates were subjected to SDS PAGE followed by western blot with 10967-1-AP (Coilin antibody) at dilution of 1:15000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 10967-1-PBS in a different storage buffer formulation.



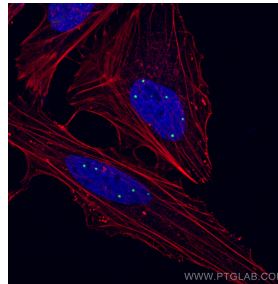
WB result of Coilin antibody (10967-1-AP; 1:12000; incubated at room temperature for 1.5 hours) with sh-Control and sh-Coilin transfected HEK-293 cells. This data was developed using the same antibody clone with 10967-1-PBS in a different storage buffer formulation.



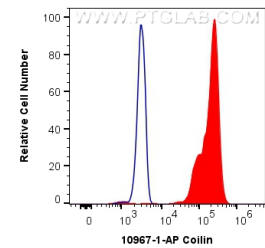
Immunohistochemical analysis of paraffin-embedded human prostate cancer using 10967-1-AP (Coilin antibody) at dilution of 1:100 (under 10x lens). This data was developed using the same antibody clone with 10967-1-PBS in a different storage buffer formulation.



IP result of anti-Coilin (IP:10967-1-AP, 4ug; Detection:10967-1-AP 1:10000) with HEK-293 cells lysate 1400 ug. This data was developed using the same antibody clone with 10967-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using Coilin antibody (10967-1-AP) at dilution of 1:200 and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-Phalloidin (red). This data was developed using the same antibody clone with 10967-1-PBS in a different storage buffer formulation.



1×10^6 HEK-293 cells were intracellularly stained with 0.4 ug Anti-Human Coilin (10967-1-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 and permeabilized with Transcription Factor Staining Buffer Kit (PF00011). This data was developed using the same antibody clone with 10967-1-PBS in a different storage buffer formulation.