

For Research Use Only

CoraLite®594-conjugated Coilin Polyclonal antibody



Catalog Number:CL594-10967

Basic Information

Catalog Number: CL594-10967	GenBank Accession Number: BC010385	Purification Method: Antigen affinity purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 8161	Recommended Dilutions: IF 1:50-1:500
Source: Rabbit	Full Name: coilin	Excitation/Emission maxima wavelengths: 593 nm / 614 nm
Isotype: IgG	Calculated MW: 62 aa, 6 kDa	
Immunogen Catalog Number: AG1416	Observed MW: 80 kDa	

Applications

Tested Applications: FC (Intra), IF	Positive Controls: IF : HeLa cells,
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

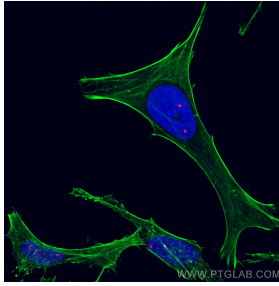
Storage:
Store at -20°C. Avoid exposure to light.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

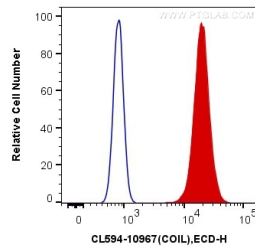
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

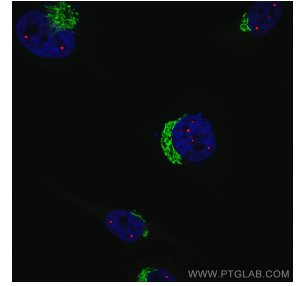
Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using CoraLite@594 Coilin antibody (CL594-10967) at dilution of 1:200, (CL488-Phalloidin, green).



1X10⁶ HEK-293T cells were intracellularly stained with 0.4 ug CoraLite@594 Anti-Human Coilin (CL594-10967) (red), or 0.4 ug Control Antibody. Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using CoraLite@594 Coilin antibody (CL594-10967) at dilution of 1:200, CoraLite@488 GOLGA2/GM130 antibody (CL488-11308, green).