

For Research Use Only

CoraLite® Plus 647-conjugated Coilin Polyclonal antibody



Catalog Number: CL647-10967

Basic Information

| | | |
|-------------------------------------------------------------------|----------------------------------------------|-----------------------------------------------------------------------|
| Catalog Number: CL647-10967 | GenBank Accession Number: BC010385 | Purification Method: Antigen affinity purification |
| Size: 100ul , Concentration: 1000 µg/ml by Nanodrop; | GeneID (NCBI): 8161 | Excitation/Emission maxima wavelengths: 654 nm / 674 nm |
| Source: Rabbit | Full Name: coilin | |
| Isotype: IgG | Calculated MW: 62 aa, 6 kDa | |
| Immunogen Catalog Number: AG1416 | Observed MW: 80 kDa | |

Applications

Tested Applications:
FC (Intra)

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. Stable for one year after shipment.

Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

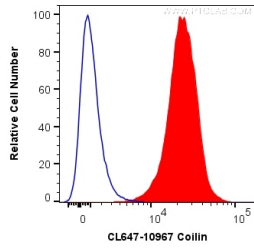
Aliquoting is unnecessary for -20°C storage

*** 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



1X10⁶ Jurkat cells were intracellularly stained with 0.2 ug CoraLite® Plus 647 Anti-Human Coilin (CL647-10967) (red), or 0.2 ug Isotype Control (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).