

CoraLite® Plus 488-conjugated Coilin Polyclonal antibody

Catalog Number: **CL488-10967**

Basic Information

Catalog Number:

CL488-10967

Size:

1000 µg/ml

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

Recommended Dilutions:

IF/ICC 1:50-1:500

**Excitation/Emission maxima
wavelengths:**

493 nm / 522 nm

Applications

Tested Applications:

IF/ICC, FC (Intra)

Species Specificity:

human

Positive Controls:

IF/ICC : HeLa cells,

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:

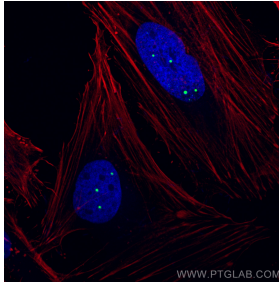
Store at -20°C. Avoid exposure to light.

Storage Buffer:

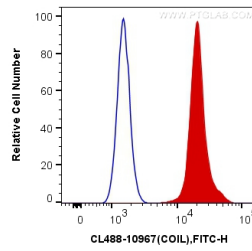
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using CoraLite® Plus 488 Coilin antibody (CL488-10967) at dilution of 1:200, (CL594-Phalloidin, red).



1X10⁶ HEK-293T cells were intracellularly stained with 0.4 ug CoraLite® Plus 488 Anti-Human Coilin (CL488-10967) (red), or 0.4 ug Control Antibody. Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).