

For Research Use Only

CoraLite® Plus 488-conjugated PCF11 Recombinant antibody

Catalog Number: CL488-84081-5



Basic Information

Catalog Number: CL488-84081-5	GenBank Accession Number: BC146778	Purification Method: Protein A purification
Size: 1000 µg/ml	GeneID (NCBI): 51585	CloneNo.: 241213B12
Source: Rabbit	UNIPROT ID: O94913	Recommended Dilutions: IF/ICC 1:50-1:500
Isotype: IgG	Full Name: PCF11, cleavage and polyadenylation factor subunit, homolog (S. cerevisiae)	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Immunogen Catalog Number: AG20263	Calculated MW: 1555 aa, 173 kDa	

Applications

Tested Applications: IF/ICC, FC (Intra)	Positive Controls: IF/ICC : HeLa cells,
Species Specificity: human	

Background Information

In *Saccharomyces cerevisiae*, the cleavage/polyadenylation factor Pcf11 is a crucial regulatory factor required for recruiting polyadenylation machinery to elongating RNA polymerase II (RNAPII), and is necessary for correct transcriptional termination. Pcf11 (PCF11, cleavage and polyadenylation factor subunit, homolog (*S. cerevisiae*)), is a 1,555 amino acid nuclear protein that is a component of pre-mRNA cleavage complex II. It is suggested that Pcf11 is capable of promoting the dissociation of Pol II elongation complexes from DNA. Pcf11 contains a CTD-interaction domain that binds in a phospho-dependent manner to the heptad repeats within the RNA polymerase II CTD. The gene encoding Pcf11 is located on human chromosome 11, which houses over 1,400 genes and comprises nearly 4% of the human genome. Jervell and Lange-Nielsen syndrome, Jacobsen syndrome, Niemann-Pick disease, hereditary angioedema and Smith-Lemli-Opitz syndrome are associated with defects in genes that maps to chromosome 11.

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

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

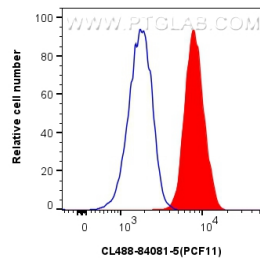
T: 4006900926

E: Proteintech-CN@ptglab.com

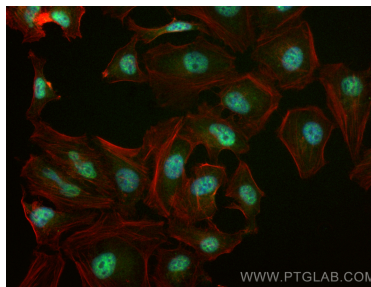
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Selected Validation Data



1x10⁶ U2OS cells were intracellularly stained with 0.25 ug CoraLite® Plus 488 Pcf11 Recombinant Antibody (CL488-84081-5, Clone:241213B12)(red), or 0.25 ug CoraLite® Plus 488 Rabbit IgG Isotype Control Recombinant Antibody (CL488-98136, Clone: 240953C9) (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using CoraLite® Plus 488 PCF11 antibody (CL488-84081-5, Clone: 241213B12) at dilution of 1:200, CL594-phalloidin (red).