

For Research Use Only

CoraLite® Plus 488-conjugated NCL Polyclonal antibody



Catalog Number: CL488-10556

Basic Information

Catalog Number: CL488-10556	GenBank Accession Number: BC006494	Purification Method: Antigen affinity purification
Size: 1000 µg/ml	GeneID (NCBI): 4691	Recommended Dilutions: IF 1:50-1:500
Source: Rabbit	UNIPROT ID: P19338	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Isotype: IgG	Full Name: nucleolin	
Immunogen Catalog Number: AG0859	Calculated MW: 76 kDa	
	Observed MW: 100-110 kDa	

Applications

Tested Applications: FC (Intra), IF/ICC	Positive Controls: IF : HEK-293 cells,
Species Specificity: human, mouse, rat	

Background Information

Nucleolin, also known as C23, involved in the control of transcription of ribosomal RNA (rRNA) genes by RNA polymerase I, in nucleocytoplasmic transportation of ribosomal components, and in ribosome maturation and assembly. It associated with intranucleolar chromatin and pre-ribosomal particles, and induced chromatin decondensation by binding to histone H1. Also it has a role in the process of transcriptional elongation. Whilst mammalian nucleolin has a predicted molecular mass of approximately 77 kDa, the apparent molecular mass is between 100 and 110 kDa, and has been attributed to the amino acid composition of the N-terminal domain, which is highly phosphorylated. (PMID: 15925566)

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:

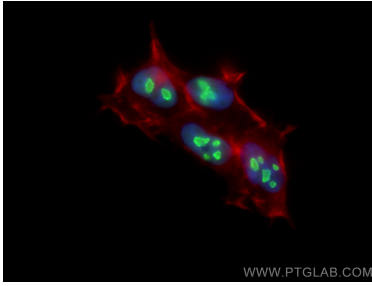
T: 4006900926

E: Proteintech-CN@ptglab.com

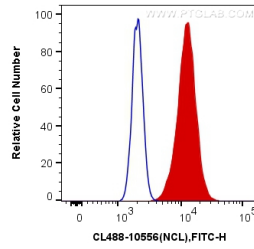
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Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed HEK-293 cells using CoraLite® Plus 488 NCL antibody (CL488-10556) at dilution of 1:200, CL594-Phalloidin (red).



1X10⁶ HeLa cells were intracellularly stained with 0.4 ug CoraLite® Plus 488 Anti-Human NCL (CL488-10556) (red), or 0.4 ug Control Antibody. Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).