

For Research Use Only

# CoraLite®650-conjugated NCL Polyclonal antibody



Catalog Number:CL650-10556

## Basic Information

|   |  |   |
|---|--|---|
| <b>Catalog Number:</b><br>CL650-10556                             | <b>GenBank Accession Number:</b><br>BC006494 | <b>Purification Method:</b><br>Antigen affinity purification          |
| <b>Size:</b><br>100ul , Concentration: 1000 µg/ml by<br>Nanodrop; | <b>GeneID (NCBI):</b><br>4691                | <b>Excitation/Emission maxima<br/>wavelengths:</b><br>654 nm / 674 nm |
| <b>Source:</b><br>Rabbit  | <b>Full Name:</b><br>nucleolin               |   |
| <b>Isotype:</b><br>IgG  | <b>Calculated MW:</b><br>76 kDa              |   |
| <b>Immunogen Catalog Number:</b><br>AG0859                        | <b>Observed MW:</b><br>100-110 kDa           |   |

## Applications

**Tested Applications:**  
FC (Intra)

**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.

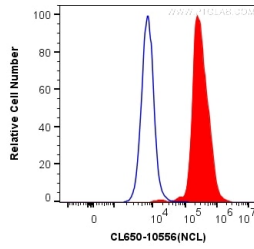
**Storage Buffer:**  
PBS with 0.09% sodium azide.

Aliquoting is unnecessary for -20°C storage

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](mailto:proteintech@ptglab.com) W: [ptglab.com](http://ptglab.com)

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

## Selected Validation Data



1X10<sup>6</sup> HeLa cells were intracellularly stained with 0.2 ug CoraLite®650 Anti-Human NCL (CL650-10556) (red), or 0.2 ug APC Mouse IgG2b Isotype Control (APC-65128, Clone: MPC-11) (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).