

For Research Use Only

# CoraLite® Plus 488-conjugated NOC2L Polyclonal antibody

Catalog Number: CL488-28509



## Basic Information

### Catalog Number:

CL488-28509

### Size:

100ul , Concentration: 1000 ug/ml by Nanodrop;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG26952

### GenBank Accession Number:

BC003555

### GeneID (NCBI):

26155

### UNIPROT ID:

Q9Y3T9

### Full Name:

nucleolar complex associated 2 homolog (S. cerevisiae)

### Calculated MW:

749 aa, 85 kDa

### Observed MW:

85 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, mouse

### Positive Controls:

IF/ICC : U2OS cells,

## Background Information

NOC2L, also known as NIR, is a transcriptional corepressor with inhibitor of histone acetyltransferase (INHAT) activity (PMID: 16322561). It prevents acetylation of all core histones by the histone acetyltransferase EP300/p300. NOC2L interacts with p53, inhibits p53-activated gene expression, and regulates p53-dependent apoptosis (PMID: 16322561). NIR binds to TAp63 and acts as a repressor of TAp63-mediated transactivation of the p21Cip1 gene (PMID: 20123734). NOC2L is ubiquitously expressed throughout embryonic development and adulthood (PMID: 16322561). NOC2L has been reported as a key regulator of skin development. Epidermis-specific ablation of NOC2L impairs epidermal stratification and barrier function (PMID: 29490983).

## 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

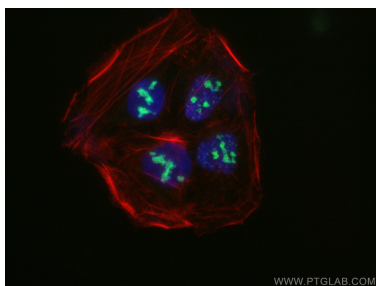
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

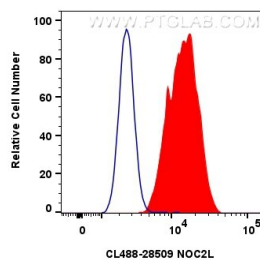
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed U2OS cells using CoraLite® Plus 488 NOC2L antibody (CL488-28509) at dilution of 1:200, CL594-Phalloidin (red).



1x10<sup>6</sup> U2OS cells were intracellularly stained with 0.8 ug CoraLite® Plus 488-conjugated NOC2L Polyclonal antibody (CL488-28509)(red), or 0.8 ug CoraLite® Plus 488-conjugated Rabbit IgG control Rabbit PolyAb (CL488-30000) (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).