

For Research Use Only

# CoraLite® Plus 488-conjugated NUP85 Recombinant antibody

Catalog Number:CL488-83288



## Basic Information

<b>Catalog Number:</b> CL488-83288	<b>GenBank Accession Number:</b> BC000697	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 79902	<b>CloneNo.:</b> 240116A2
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q9BW27	<b>Recommended Dilutions:</b> IF/ICC 1:50-1:500
<b>Isotype:</b> IgG	<b>Full Name:</b> nucleoporin 85kDa	<b>Excitation/Emission maxima wavelengths:</b> 493 nm / 522 nm
<b>Immunogen Catalog Number:</b> AG7086	<b>Calculated MW:</b> 75 kDa	

## Applications

<b>Tested Applications:</b> IF/ICC	<b>Positive Controls:</b> IF/ICC : HepG2 cells,
<b>Species Specificity:</b> human	

## Background Information

This gene encodes a protein component of the Nup107-160 subunit of the nuclear pore complex. NPCs are key for nucleocytoplasmic transport, but also regulate the mitotic machinery, transcription and chromatin organization through transport-independent mechanisms. The NUP107-160 complex is acknowledged to contribute to the assembly and maintenance of the NPC structure. Members of this largest subcomplex of the NPC associate with kinetochores, mitotic spindles, centrosomes and mitotic checkpoint regulators for proper completion of the cell cycle. Downregulation of NUP107-160 subcomplex members resulted in defective cytokinesis, compromised microtubule structures, altered cytoskeletal dynamics, impaired chromosome segregation and differentiation. (PMID:34170319)

## 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

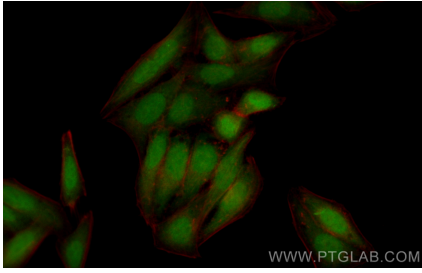
For technical support and original validation data for this product please contact:

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## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using CoraLite® Plus 488 NUP85 antibody (CL488-83288, Clone: 240116A2) at dilution of 1:200.