

For Research Use Only

NUP85 Recombinant antibody

Catalog Number:83288-1-RR



Basic Information

Catalog Number: 83288-1-RR	GenBank Accession Number: BC000697	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 79902	CloneNo.: 240116A2
Source: Rabbit	UNIPROT ID: Q9BW27	Recommended Dilutions: IF/ICC 1:125-1:500
Isotype: IgG	Full Name: nucleoporin 85kDa	
Immunogen Catalog Number: AG7086	Calculated MW: 75 kDa	

Applications

Tested Applications: IF/ICC, FC (Intra), ELISA	Positive Controls: IF/ICC : HepG2 cells,
Species Specificity: 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. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

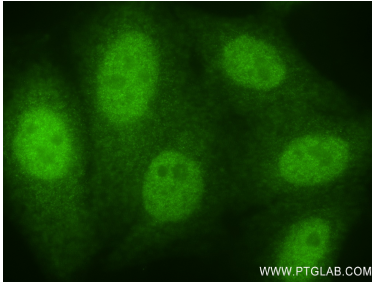
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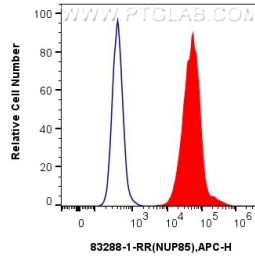
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Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using NUP85 antibody (83288-1-RR, Clone: 240116A2) at dilution of 1:250 and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2).



1x10⁶ MCF-7 cells were intracellularly stained with 0.25 ug NUP85 Recombinant antibody (83288-1-RR, Clone:240116A2) and APC-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)(red), or 0.25 ug Isotype Control (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).