

NUP85 Recombinant antibody

Catalog Number: 83288-1-RR

Basic Information

Catalog Number:

83288-1-RR

Concentration:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG7086

GenBank Accession Number:

BC000697

GeneID (NCBI):

79902

UNIPROT ID:

Q9BW27

Full Name:

nucleoporin 85kDa

Calculated MW:

75 kDa

Purification Method:

Protein A purification

CloneNo.:

240116A2

Recommended Dilutions:

IF/ICC: 1:125-1:500

FC (Intra): 0.25 µg per 10⁶ cells in a
100 µl suspension

Applications

Tested Applications:

IF/ICC, FC (Intra), ELISA

Species Specificity:

human

Positive Controls:

IF/ICC : HepG2 cells,

FC (Intra) : MCF-7 cells,

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:

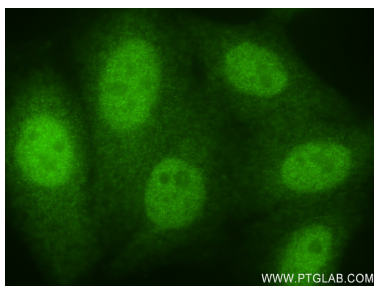
Store at -20°C. Stable for one year after shipment.

Storage Buffer:

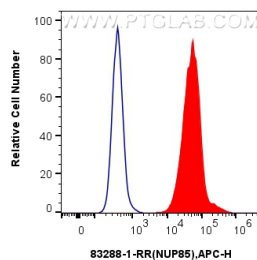
PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

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 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 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).