For Research Use Only

NUP85 Recombinant antibody, PBS Only (Capture)

Catalog Number:83288-2-PBS

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Basic Information

Catalog Number:
83288-2-PBS

Concentration:
1mg/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

Observed MW:
70 kDa

Purification Method:
Protein A purification

CloneNo.:
240116E10

Applications

Tested Applications:
WB, FC (Intra), Cytometric bead array, Sandwich ELISA, Indirect ELISA, Sample test

Species Specificity:
human, mouse

Background Information

Nucleoporin 85 (Nup85) (also known as FROUNT) is a protein that in humans is encoded by the NUP85 gene. This gene encodes a protein component of the Nup107-160 subunit of the nuclear pore complex. Nuclear pore complexes are embedded in the nuclear envelope and promote bidirectional transport of macromolecules between the cytoplasm and nucleus. The encoded protein can also bind to the C-terminus of chemokine (C-C motif) receptor 2 (CCR2) and promote chemotaxis of monocytes, thereby participating in the inflammatory response.

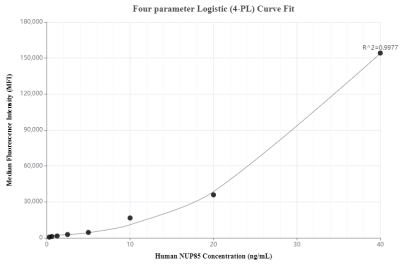
Storage

Storage:
Store at -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C
Storage Buffer:
PBS only, pH7.3

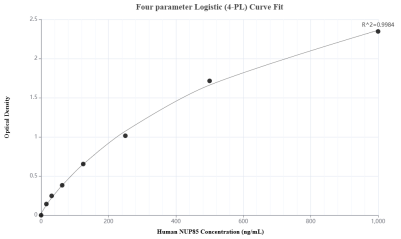
For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

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

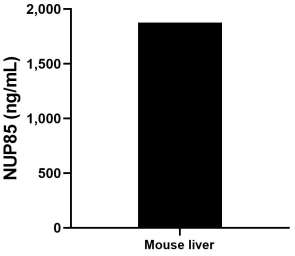
Selected Validation Data



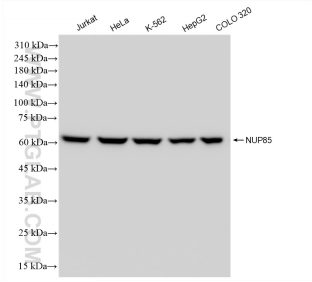
Cytometric bead array standard curve of MP00330-1, NUP85 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 83288-2-PBS. Detection antibody: 83288-1-PBS. Standard: Ag7086. Range: 0.313-40 ng/mL.



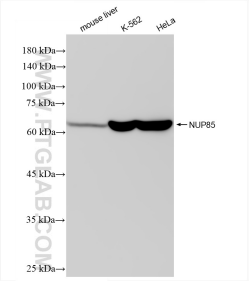
Sandwich ELISA standard curve of MP00330-1, Human NUP85 Recombinant Matched Antibody Pair - PBS only. 83288-2-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Ag7086. 83288-1-PBS was HRP conjugated as the detection antibody. Range: 15.6-1000 ng/mL.



The mean NUP85 concentration was determined to be 1,874.5 ng/mL in mouse liver tissue extract based on a 3.0 mg/mL extract load.



Various lysates were subjected to SDS PAGE followed by western blot with 83288-2-RR (NUP85 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 83288-2-PBS in a different storage buffer formulation.



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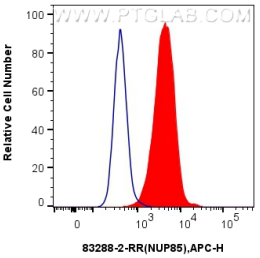
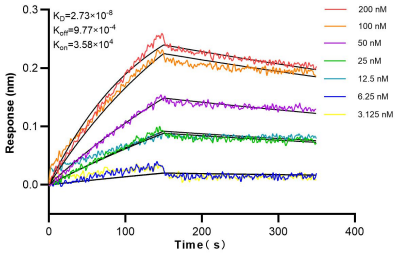


1x10^6 MCF-7 cells were intracellularly stained with 0.25 ug NUP85 Recombinant antibody (83288-2-RR, Clone:240116E10) and APC-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)(red), or 0.25 ug Isotype Control (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011). This data was developed using the same antibody clone with 83288-2-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 83288-2-RR against Human NUP85 were performed. The affinity constant is 27.3 nM.