

For Research Use Only

# NUP85 Recombinant antibody

Catalog Number:83288-2-RR



## Basic Information

<b>Catalog Number:</b> 83288-2-RR	<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> 240116E10
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q9BW27	<b>Recommended Dilutions:</b> WB 1:5000-1:50000
<b>Isotype:</b> IgG	<b>Full Name:</b> nucleoporin 85kDa	
<b>Immunogen Catalog Number:</b> AG7086	<b>Calculated MW:</b> 75 kDa	
	<b>Observed MW:</b> 70 kDa	

## Applications

<b>Tested Applications:</b> WB, FC (Intra), ELISA	<b>Positive Controls:</b> WB : Jurkat cells, HeLa cells, K-562 cells, HepG2 cells, COLO 320 cells
<b>Species Specificity:</b> human	

## 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 -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

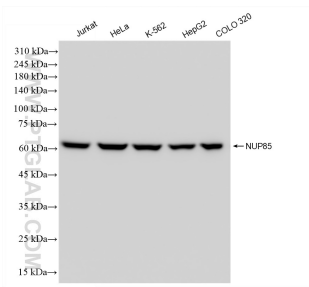
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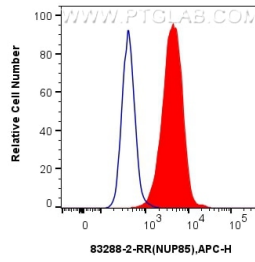
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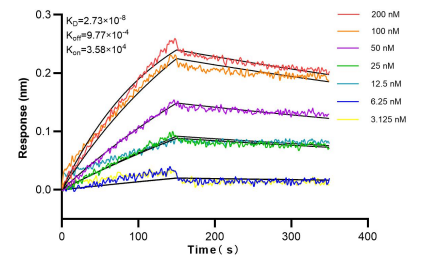
## Selected Validation Data



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.



1x10<sup>6</sup> 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).



Bioluminescence resonance energy transfer (BRET) kinetic assays of 83288-2-RR against Human NUP85 were performed. The affinity constant is 27.3 nM.