

For Research Use Only

NUP153 Recombinant monoclonal antibody

Catalog Number: 86622-1-RR



Basic Information

Catalog Number: 86622-1-RR	GenBank Accession Number: BC052965	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 9972	CloneNo.: 251519G11
Source: Rabbit	UNIPROT ID: P49790	Recommended Dilutions: WB: 1:2000-1:10000 IF/ICC: 1:250-1:1000
Isotype: IgG	Full Name: nucleoporin 153kDa	
Immunogen Catalog Number: AG5519	Calculated MW: 154 kDa	
	Observed MW: 160-170 kDa	

Applications

Tested Applications: WB, IF/ICC, ELISA	Positive Controls:
Species Specificity: human, mouse	WB : HeLa cells, HepG2 cells, MCF-7 cells, A431 cells, K-562 cells, C2C12 cells
	IF/ICC : HeLa cells,

Background Information

NUP153 is an FG-repeat containing NUP, contains a high-affinity site for importin-β, localizes on the nucleoplasmic face of the nuclear pore and is required for assembly of the nuclear basket and import of a subset of nuclear proteins [PMID:18845677]. NUP153 also facilitates nuclear export of mRNA and ribonucleoprotein particles and may have additional functions within the nucleus [PMID:16195343]. The 53BP1-NUP153/importin-β pathway as an important aspect of the DDR network add to an emerging evidence of subcellular trafficking as an integral part of genome surveillance [PMID:22075984].

Storage

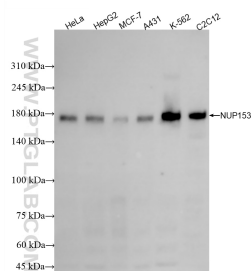
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

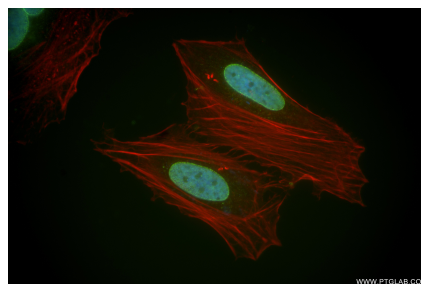
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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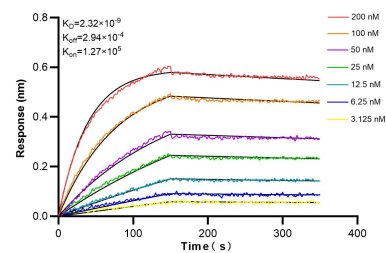
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 86622-1-RR (NUP153 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using NUP153 antibody (86622-1-RR, Clone: 251519G11) at dilution of 1:500 and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).



Biolayer interferometry (BLI) kinetic assays of 86622-1-RR against Human NUP153 were performed. The affinity constant is 2.32 nM.