

For Research Use Only

NUP153 Polyclonal antibody

Catalog Number: 14189-1-AP **2 Publications**



Basic Information

Catalog Number: 14189-1-AP	GenBank Accession Number: BC052965	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 600 ug/ml by Nanodrop;	GeneID (NCBI): 9972	Recommended Dilutions: WB 1:500-1:2400 IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate
Source: Rabbit	UNIPROT ID: P49790	
Isotype: IgG	Full Name: nucleoporin 153kDa	
Immunogen Catalog Number: AG5519	Calculated MW: 154 kDa	
	Observed MW: 154 kDa	

Applications

Tested Applications: WB, IP, ELISA	Positive Controls:
Cited Applications: WB	WB : K-562 cells, HeLa cells, A431 cells, HepG2 cells, MCF-7 cells
Species Specificity: human, mouse, rat	IP : K-562 cells,
Cited Species: human, pig	

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].

Notable Publications

Author	Pubmed ID	Journal	Application
Mingyang Li	39826728	Int J Biol Macromol	WB
Yunfeng Long	37897200	Biotechnol J	WB

Storage

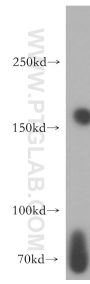
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

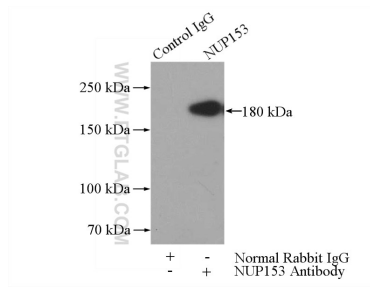
For technical support and original validation data for this product please contact:
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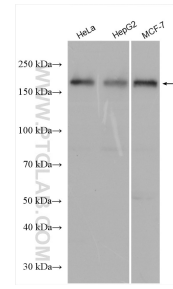
Selected Validation Data



K-562 cells were subjected to SDS PAGE followed by western blot with 14189-1-AP (NUP153 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



IP result of anti-NUP153 (IP:14189-1-AP, 4ug; Detection:14189-1-AP 1:500) with K-562 cells lysate 3600ug.



Various lysates were subjected to SDS PAGE followed by western blot with 14189-1-AP (NUP153 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.