

For Research Use Only

# NUP153 Polyclonal antibody

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



## Basic Information

<b>Catalog Number:</b> 14189-1-AP	<b>GenBank Accession Number:</b> BC052965	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 600 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 9972	<b>Recommended Dilutions:</b> WB 1:500-1:2400 IP 0.5-4.0 ug for IP and 1:500-1:1000 for WB
<b>Source:</b> Rabbit	<b>Full Name:</b> nucleoporin 153kDa	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 154 kDa	
<b>Immunogen Catalog Number:</b> AG5519	<b>Observed MW:</b> 154 kDa	

## Applications

<b>Tested Applications:</b> IP, WB, ELISA	<b>Positive Controls:</b> WB : K-562 cells, A431 cells
<b>Cited Applications:</b> WB	<b>IP :</b> K-562 cells,
<b>Species Specificity:</b> human, mouse, rat	
<b>Cited Species:</b> human	

## 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
Yunfeng Long	37897200	Biotechnol J	WB

## Storage

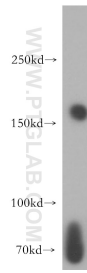
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

**\*\*\* 20ul sizes contain 0.1% BSA**

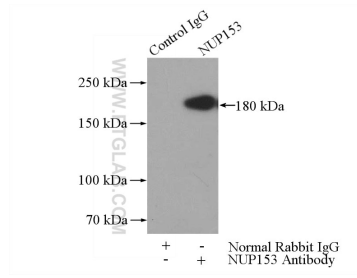
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
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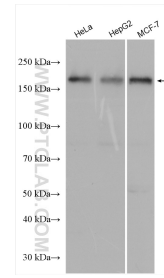
## Selected Validation Data



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.