

For Research Use Only

NUP153 Polyclonal antibody

Catalog Number: 14189-1-AP

3 Publications



Basic Information

Catalog Number:

14189-1-AP

Size:

150ul, Concentration: 600 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG5519

GenBank Accession Number:

BC052965

GeneID (NCBI):

9972

UNIPROT ID:

P49790

Full Name:

nucleoporin 153kDa

Calculated MW:

154 kDa

Observed MW:

154 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB: 1:500-1:2400

IP: 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

Applications

Tested Applications:

WB, IP, ELISA

Cited Applications:

WB

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse, pig

Positive Controls:

WB : K-562 cells, HeLa cells, A431 cells, HepG2 cells, MCF-7 cells

IP : K-562 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].

Notable Publications

Author	Pubmed ID	Journal	Application
Jinyu Guo	40025036	Nat Commun	
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, pH7.3

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

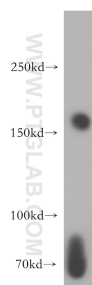
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

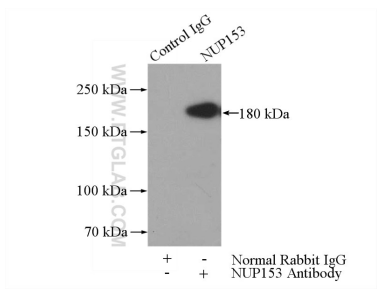
E: proteintech@ptglab.com
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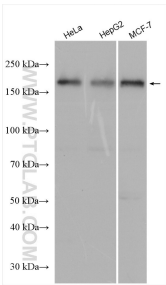
Selected Validation Data



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.