For Research Use Only

NUP133 Polyclonal antibody

Catalog Number:12405-1-AP 2 Publications

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Basic Information

Catalog Number:
12405-1-AP

Size:
150ul , Concentration: 600 μg/ml by Nanodrop and 373 μg/ml by Bradford method using BSA as the standard;

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG3100

GenBank Accession Number:
BC020107

GeneID (NCBI):
55746

Full Name:
nucleoporin 133kDa

Calculated MW:
1156 aa, 129 kDa

Observed MW:
129 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
WB 1:500-1:2000
IP 0.5-4.0 ug for IP and 1:500-1:1000 for WB
IHC 1:200-1:800

Applications

Tested Applications:
IHC, IP, WB,ELISA

Cited Applications:
ChIP, WB

Species Specificity:
human, mouse, rat

Cited Species:
human, rat

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : HeLa cells, HepG2 cells

IP : HeLa cells,

IHC : human colon cancer tissue,

Background Information

Nuclear pore complex protein Nup133 is a protein that in humans is encoded by the NUP133 gene. The nucleoporin protein encoded by this gene displays evolutionarily conserved interactions with other nucleoporins. This protein, which localizes to both sides of the nuclear pore complex at interphase, remains associated with the complex during mitosis and is targeted at early stages to the reforming nuclear envelope. This protein also localizes to kinetochores of mitotic cells.

Notable Publications

Author	Pubmed ID	Journal	Application
Donna Elizabeth Sunny	34205405	Int J Mol Sci	WB
Donna Elizabeth Sunny	32844334	Mol Cell Pediatr	ChIP

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)
E: proteintech@ptglab.com
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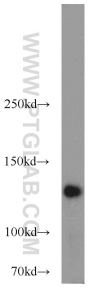
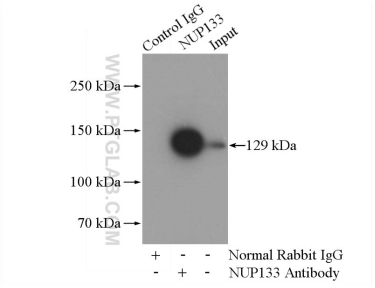
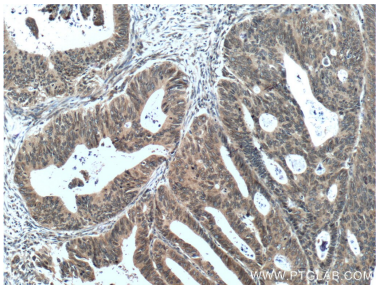
Selected Validation Data



HeLa cells were subjected to SDS PAGE followed by western blot with 12405-1-AP (NUP133 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



IP Result of anti-NUP133 (IP:12405-1-AP, 4ug; Detection:12405-1-AP 1:800) with HeLa cells lysate 880ug.



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 12405-1-AP (NUP133 Antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).