

For Research Use Only

# NOP58 Polyclonal antibody

Catalog Number: 14409-1-AP

Featured Product

6 Publications



## Basic Information

### Catalog Number:

14409-1-AP

### Size:

150ul, Concentration: 1200 ug/ml by Nanodrop;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG5740

### GenBank Accession Number:

BC032592

### GeneID (NCBI):

51602

### UNIPROT ID:

Q9Y2X3

### Full Name:

NOP58 ribonucleoprotein homolog (yeast)

### Calculated MW:

60 kDa

### Observed MW:

60 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:2000-1:12000

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

IHC 1:2000-1:8000

## Applications

### Tested Applications:

WB, IHC, IP, ELISA

### Cited Applications:

WB, IF, CoIP, RIP

### Species Specificity:

human, mouse, rat

### Cited Species:

human, mouse

**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, Jurkat cells, K-562 cells, MCF-7 cells

IP : K-562 cells,

IHC : mouse kidney tissue,

## Background Information

The box C/D snoRNPs, is named for the short, conserved box C (UGAUGA) and box D (CUGA) sequences present in their RNA moiety. The box C/D sequences are also required for multiple aspects of snoRNA biogenesis, including: RNA stability, intronic processing, nucleolar targeting, nuclear retention, and 5' trimethylguanosine cap formation [PMID:9649444,8878486]. Nop58 is a component common to the box C/D small nucleolar ribonucleoproteins [PMID:10606270].

## Notable Publications

Author	Pubmed ID	Journal	Application
Yick W Fong	25407680	Elife	WB
Beatriz Alvarado-Hernandez	34787459	J Virol	WB, CoIP
Marlene Cervantes	32450515	iScience	CoIP, RIP

## 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

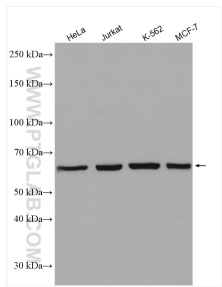
For technical support and original validation data for this product please contact:

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

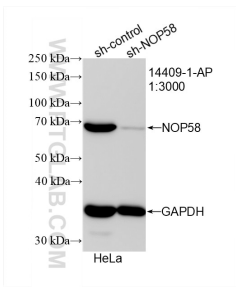
E: proteintech@ptglab.com  
W: ptglab.com

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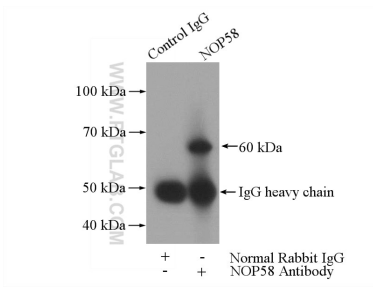
Selected Validation Data



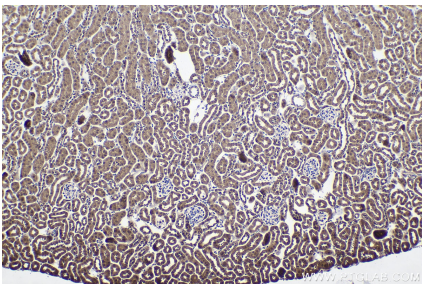
Various lysates were subjected to SDS PAGE followed by western blot with 14409-1-AP (NOP58 antibody) at dilution of 1:6000 incubated at room temperature for 1.5 hours.



WB result of NOP58 antibody (14409-1-AP; 1:3000; incubated at room temperature for 1.5 hours) with sh-Control and sh-NOP58 transfected HeLa cells.



IP result of anti-NOP58 (IP:14409-1-AP, 4ug; Detection:14409-1-AP 1:500) with K-562 cells lysate 3600ug.



Immunohistochemical analysis of paraffin-embedded mouse kidney tissue slide using 14409-1-AP (NOP58 antibody) at dilution of 1:4000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).