

For Research Use Only

# NONO Polyclonal antibody

Catalog Number: 11058-1-AP

Featured Product

37 Publications



## Basic Information

### Catalog Number:

11058-1-AP

### Size:

600 µg/ml

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG1512

### GenBank Accession Number:

BC010049

### GeneID (NCBI):

4841

### UNIPROT ID:

Q15233

### Full Name:

non-POU domain containing,  
octamer-binding

### Calculated MW:

54 kDa

### Observed MW:

54 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:500-1:3000

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

IHC 1:20-1:200

IF 1:200-1:800

## Applications

### Tested Applications:

FC, IF/ICC, IHC, IP, WB, ELISA

### Cited Applications:

WB, IP, IF, RIP, IHC, CoIP, CHIP

### Species Specificity:

human, mouse, rat

### Cited Species:

human, rat, mouse, zebrafish, bovine

**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**: PC-3 cells, human pancreas tissue, human  
skeletal muscle tissue, MCF-7 cells, mouse pancreas  
tissue, HEK-293 cells, PC-12 cells, NIH/3T3 cells

**IP**: HEK-293 cells,

**IHC**: human colon cancer tissue, human kidney tissue

**IF**: HEK-293 cells,

## Background Information

Non-pou domain-containing octamer-binding protein(NONO), other named p54nrb, belongs to DBHS family, whose protein are predominately nuclear and involves in transcriptional and posttranscriptional gene regulatory functions as well as DNA repair. This family has roles in a wide range of biological processes, such as the regulation of circadian rhythm, carcinogenesis and progression of cancer. NONO forms heterodimer with SFPQ, and has been implicated in nuclear retention of A- to I-edited RNA as paraspeckle components, pre-mRAN 3'-end formation, cAMP cycling and transcriptional activation.

## Notable Publications

Author	Pubmed ID	Journal	Application
Xiaoqing Shi	34714466	Clin Exp Metastasis	WB,IHC,IF,IP
Akira Hashiramoto	29180447	J Biol Chem	WB
Yali Lu	34833084	Life (Basel)	WB,IP

## 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

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

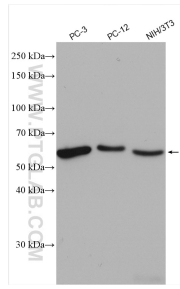
T: 4006900926

E: Proteintech-CN@ptglab.com

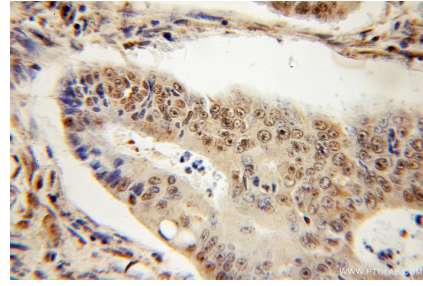
W: ptgcn.com

**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

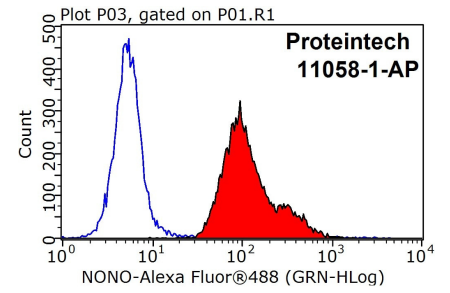
## Selected Validation Data



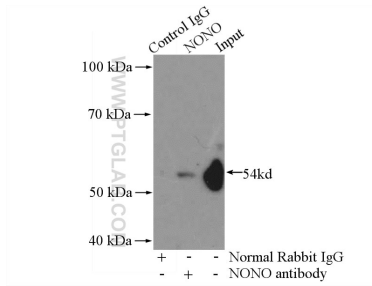
Various lysates were subjected to SDS PAGE followed by western blot with 11058-1-AP (NONO antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



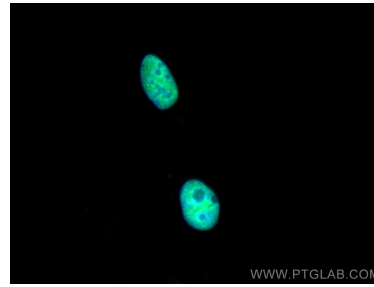
Immunohistochemical analysis of paraffin-embedded human colon cancer using 11058-1-AP (NONO antibody) at dilution of 1:50 (under 10x lens).



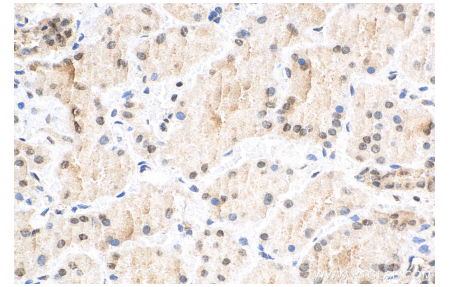
1X10<sup>6</sup> HepG2 cells were stained with 0.2ug NONO antibody (11058-1-AP, red) and control antibody (blue). Fixed with 90% MeOH blocked with 3% BSA (30 min). Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) with dilution 1:1000.



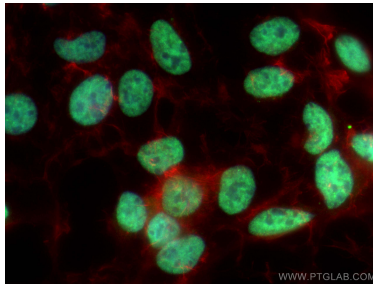
IP result of anti-NONO (IP:11058-1-AP, 4ug; Detection:11058-1-AP 1:1000) with HEK-293 cells lysate 2800ug.



Immunofluorescent analysis of (4% PFA) fixed HEK-293 cells using NONO antibody (11058-1-AP) at dilution of 1:400 and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 11058-1-AP (NONO antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed HEK-293 cells using NONO antibody (11058-1-AP) at dilution of 1:400 and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-Phalloidin (red).