

For Research Use Only

NONO Polyclonal antibody

Catalog Number: 11058-1-AP

Featured Product

54 Publications



Basic Information

Catalog Number:

11058-1-AP

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 ug for 1.0-3.0 mg of total
protein lysate

IHC: 1:50-1:500

IF/ICC: 1:200-1:800

Applications

Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

Cited Applications:

WB, IHC, IF, IP, CoIP, ChIP, RIP

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse, rat, 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-293T cells,

IHC: human colon cancer tissue,

IF/ICC: HEK-293 cells, HCT 116 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,IP,IHC,IF
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, pH7.3

Aliquoting is unnecessary for -20°C storage

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

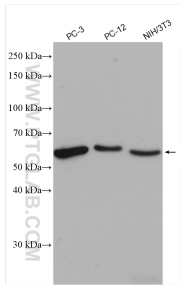
T: 4006900926

E: Proteintech-CN@ptglab.com

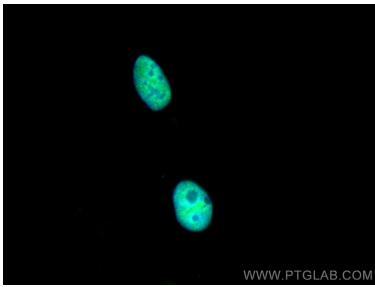
W: ptgcn.com

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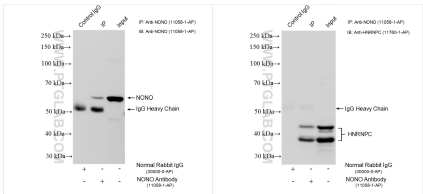
Selected Validation Data



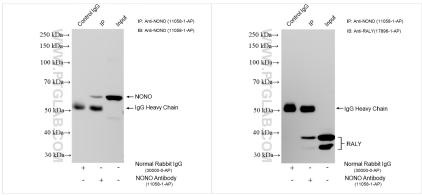
Various lysates were subjected to SDS PAGE followed by western blot with 11058-1-AP (NONO antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



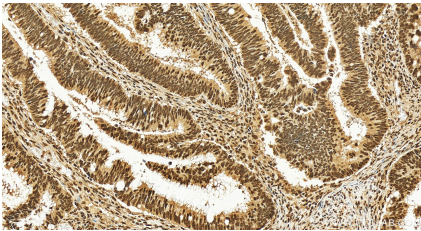
Immunofluorescent analysis of (4% PFA) fixed HEK-293 cells using NONO antibody (11058-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



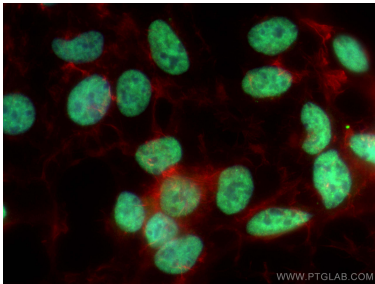
IP and Co-IP result of anti-NONO (IP:11058-1-AP, 4ug); Detection antibodies: NONO 11058-1-AP 1:800 and HNRNPC 11760-1-AP 1:800 with HEK-293T cells lysate 1840 ug.



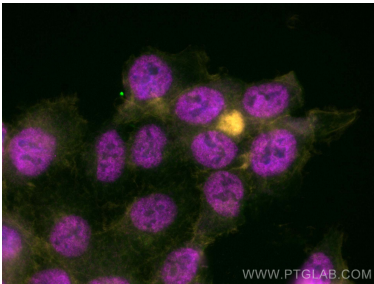
IP and Co-IP result of anti-NONO (IP:11058-1-AP, 4ug), Detection antibodies: NONO 11058-1-AP 1:800 and RALY 17896-1-AP 1:800 with HEK-293T cells lysate 1840 ug.



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 11058-1-AP (NONO antibody) at dilution of 1:200 (under 20x 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).



Immunofluorescent analysis of (4% PFA) fixed HCT 116 cells using NONO antibody (11058-1-AP) at dilution of 1:400 and CoraLite®647-conjugated AffiniPure F(ab, CL555-Phalloidin (orange), CoraLite® Plus 488 Alpha Tubulin antibody (CL488-66031, Clone: 1E4C11, green).