

For Research Use Only

NONO Polyclonal antibody

Catalog Number: 11058-1-AP

Featured Product

46 Publications



Basic Information

Catalog Number:

11058-1-AP

Size:

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

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 1:20-1:200

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-293 cells,

IHC: human colon cancer tissue, human kidney 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,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

*** 20ul sizes contain 0.1% BSA

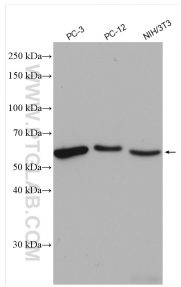
For technical support and original validation data for this product please contact:

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

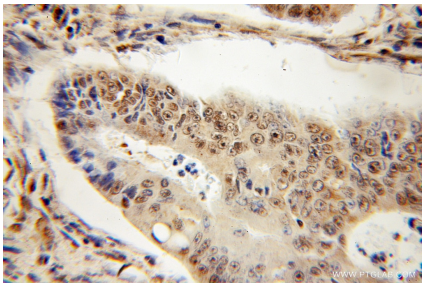
E: proteintech@ptglab.com
W: ptglab.com

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

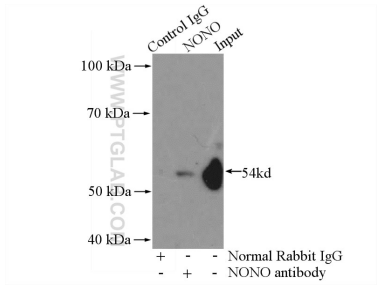
Selected Validation Data



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.



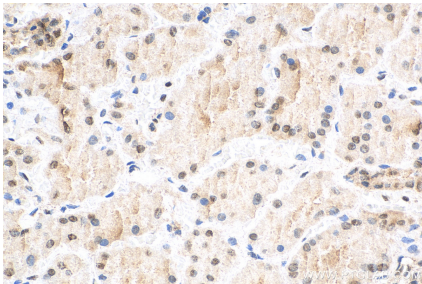
Immunohistochemical analysis of paraffin-embedded human colon cancer using 11058-1-AP (NONO antibody) at dilution of 1:50 (under 10x lens).



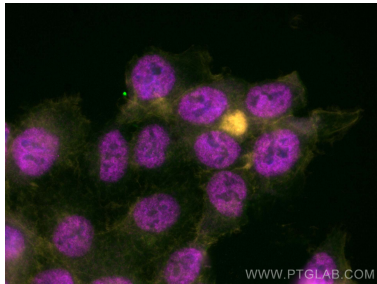
IP result of anti-NONO (IP:11058-1-AP, 4ug; Detection:11058-1-AP 1:1000) with HEK-293 cells lysate 2800ug.



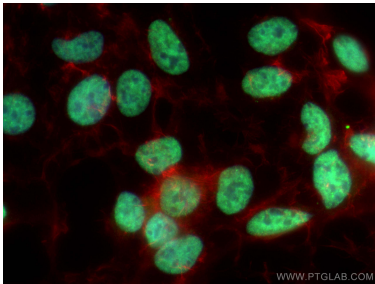
Immunofluorescent analysis of (4% PFA) fixed HEK-293 cells using NONO antibody (11058-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



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 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).



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).