

For Research Use Only

NOSTRIN Polyclonal antibody

Catalog Number: 20116-1-AP

13 Publications



Basic Information

Catalog Number:

20116-1-AP

Size:

150ul, Concentration: 400 ug/ml by Nanodrop and 287 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG13989

GenBank Accession Number:

BC014189

GeneID (NCBI):

115677

UNIPROT ID:

Q8IV19

Full Name:

nitric oxide synthase trafficker

Calculated MW:

506 aa, 58 kDa

Observed MW:

64 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

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

IHC 1:50-1:500

IF-P 1:200-1:800

IF/ICC 1:50-1:500

Applications

Tested Applications:

WB, IHC, IF/ICC, IF-P, IP, ELISA

Cited Applications:

WB, IHC, IF

Species Specificity:

human, mouse

Cited Species:

human, mouse, 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, mouse heart tissue, human placenta tissue, mouse liver tissue, mouse lung tissue

IP: human placenta tissue,

IHC: human heart tissue, mouse testis tissue, human hepatocirrhosis tissue

IF-P: mouse kidney tissue,

IF/ICC: HepG2 cells,

Background Information

NOSTRIN is classically known as an endothelial cell protein that sequesters eNOS and inhibits NO production. NOSTRIN contains a single polypeptide chain of 506-aa residues of 58 kDa with an N-terminal cdc15 domain and a C-terminal SH3 domain. NOSTRIN mRNA is abundant in highly vascularized tissues such as placenta, kidney, lung, and heart, and NOSTRIN protein is expressed in vascular endothelial cells.

Notable Publications

Author	Pubmed ID	Journal	Application
Han Xie	29115445	Mol Med Rep	
Mohamed Abd-Elbaset	27717985	Naunyn Schmiedebergs Arch Pharmacol	
Dejuan Li	29220696	Redox Biol	WB

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

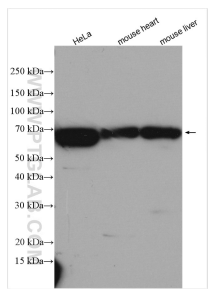
For technical support and original validation data for this product please contact:

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

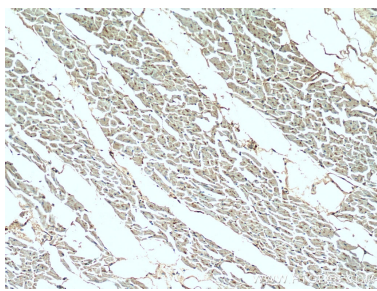
E: proteintech@ptglab.com
W: ptglab.com

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

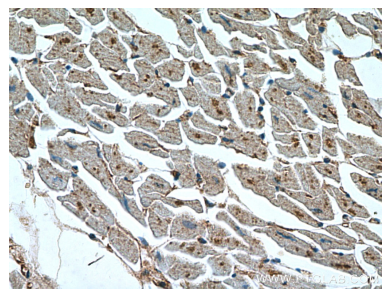
Selected Validation Data



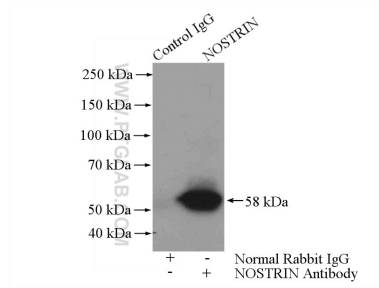
Various lysates were subjected to SDS PAGE followed by western blot with 20116-1-AP (NOSTRIN antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



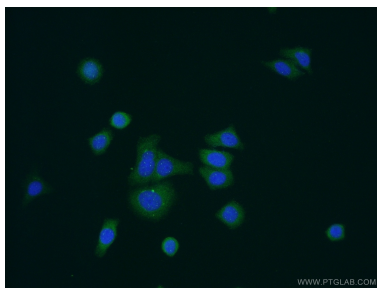
Immunohistochemical analysis of paraffin-embedded human heart tissue slide using 20116-1-AP (NOSTRIN Antibody) at dilution of 1:200 (under 10x lens).



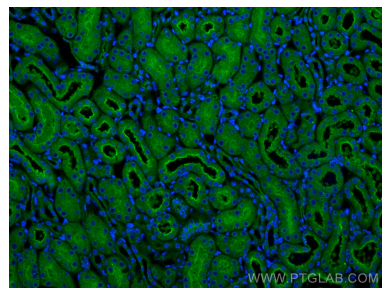
Immunohistochemical analysis of paraffin-embedded human heart tissue slide using 20116-1-AP (NOSTRIN Antibody) at dilution of 1:200 (under 40x lens).



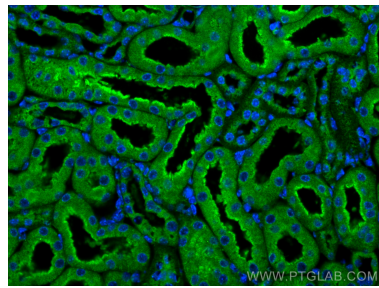
IP result of anti-NOSTRIN (IP:20116-1-AP, 4ug; Detection:20116-1-AP 1:500) with human placenta tissue lysate 1600ug.



Immunofluorescent analysis of HepG2 cells using 20116-1-AP (NOSTRIN antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse kidney tissue using NOSTRIN antibody (20116-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse kidney tissue using NOSTRIN antibody (20116-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).