

For Research Use Only

NOSTRIN Polyclonal antibody

Catalog Number: 20116-1-AP **12 Publications**



Basic Information

Catalog Number: 20116-1-AP	GenBank Accession Number: BC014189	Purification Method: Antigen affinity purification
Size: 400 µg/ml	GeneID (NCBI): 115677	Recommended Dilutions: WB 1:500-1:2000
Source: Rabbit	UNIPROT ID: Q8IV19	IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate
Isotype: IgG	Full Name: nitric oxide synthase trafficker	IHC 1:50-1:500
Immunogen Catalog Number: AG13989	Calculated MW: 506 aa, 58 kDa	IF/ICC 1:50-1:500
	Observed MW: 64 kDa	

Applications

Tested Applications: IF/ICC, IHC, IP, WB, ELISA	Positive Controls:
Cited Applications: WB, IHC, IF	WB : HeLa cells, mouse heart tissue, human placenta tissue, mouse liver tissue, mouse lung tissue
Species Specificity: human, mouse	IP : human placenta tissue,
Cited Species: human, mouse, rat	IHC : human heart tissue, mouse testis tissue, human hepatocirrhosis tissue
Note-IHC: <i>suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</i>	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 pH 7.3.
Aliquoting is unnecessary for -20°C storage

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

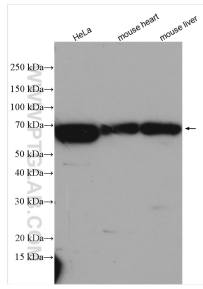
T: 4006900926

E: Proteintech-CN@ptglab.com

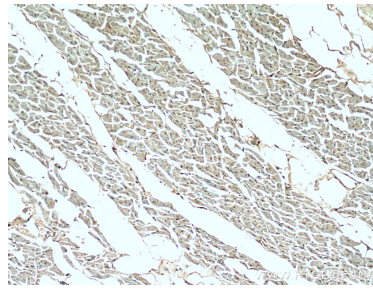
W: ptgcn.com

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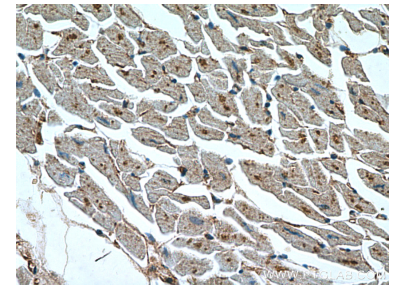
Selected Validation Data



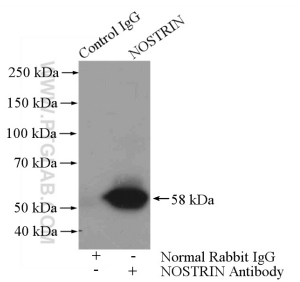
Various lysates were subjected to SDS PAGE followed by western blot with 20116-1-AP (NOSTRIN antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



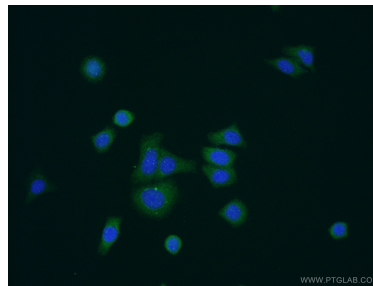
Immunohistochemical analysis of paraffin-embedded human heart tissue slide using 20116-1-AP (NOSTRIN Antibody) at dilution of 1:200 (under 10x lens).



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, 4 μ g; Detection:20116-1-AP 1:500) with human placenta tissue lysate 1600 μ g.



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).