

NOSTRIN Antibody (Center)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP13833c**Specification**

NOSTRIN Antibody (Center) - Product Information

Application	WB,E
Primary Accession	Q8IVI9
Other Accession	NP_443178.2 , NP_001165103.1 , NP_001034813.2
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	57660
Antigen Region	296-325

NOSTRIN Antibody (Center) - Additional Information**Gene ID** 115677**Other Names**

Nostrin, BM247 homolog, Nitric oxide synthase traffic inducer, Nitric oxide synthase trafficker, eNOS-trafficking inducer, NOSTRIN

Target/Specificity

This NOSTRIN antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 296-325 amino acids from the Central region of human NOSTRIN.

Dilution

WB~~1:1000

E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

NOSTRIN Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

NOSTRIN Antibody (Center) - Protein Information**Name** NOSTRIN ([HGNC:20203](#))

Function Multivalent adapter protein which may decrease NOS3 activity by inducing its translocation away from the plasma membrane.

Cellular Location

[Isoform 1]: Cell membrane; Peripheral membrane protein; Cytoplasmic side. Cytoplasmic vesicle. Cytoplasm, cytoskeleton Note=Enriched in selected actin structures (PubMed:16234328, PubMed:16376344)

Tissue Location

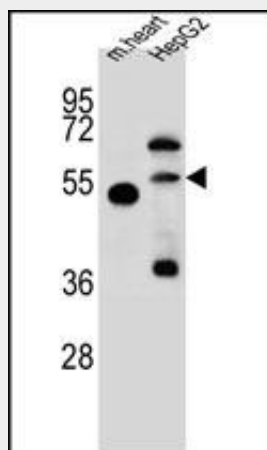
Expressed at highest levels in heart, kidney, placenta and lung, and at lowest levels in brain, thymus and spleen Present in vascular endothelial cells and placenta. Over-expressed in placenta from women with pre-eclampsia (at protein level)

NOSTRIN Antibody (Center) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

NOSTRIN Antibody (Center) - Images



NOSTRIN Antibody (Center) (Cat. #AP13833c) western blot analysis in mouse heart tissue and HepG2 cell line lysates (35ug/lane). This demonstrates the NOSTRIN antibody detected the NOSTRIN protein (arrow).

NOSTRIN Antibody (Center) - Background

Nitric oxide (NO) is a potent mediator in biologic processes such as neurotransmission, inflammatory response, and vascular homeostasis. NOSTRIN binds the enzyme responsible for NO production, endothelial NO synthase (ENOS; MIM 163729), and triggers the translocation of ENOS from the plasma membrane to vesicle-like subcellular structures, thereby attenuating

ENOS-dependent NO production.

NOSTRIN Antibody (Center) - References

Holt, R., et al. Eur. J. Hum. Genet. 18(9):1013-1019(2010)
Maestrini, E., et al. Mol. Psychiatry 15(9):954-968(2010)
Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :
Wiesenthal, A., et al. Traffic 10(1):26-34(2009)
Schilling, K., et al. Mol. Biol. Cell 17(9):3870-3880(2006)