



NOSTN mouse mAb

Catalog No	YP-mAb-12087
Isotype	IgG
Reactivity	Human; Mouse;Rat
Applications	WB
Gene Name	NOSTRIN
Protein Name	NOSTN
Immunogen	Synthesized peptide derived from human NOSTN AA range: 309-359
Specificity	This antibody detects endogenous levels of NOSTN at Human/Mouse/Rat
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	
Observed Band	
Cell Pathway	[Isoform 1]: Cell membrane ; Peripheral membrane protein ; Cytoplasmic side . Cytoplasmic vesicle . Cytoplasm, cytoskeleton . Enriched in selected actin structures (PubMed:16234328, PubMed:16376344).; [Isoform 3]: Nucleus .
Tissue Specificity	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).
Function	domain:The FCH domain is necessary for membrane targeting.,domain:The SH3 domain mediates interaction with NOS3, DNM2 and WASL.,function:Multivalent adapter protein which may decrease NOS3 activity by inducing its translocation away from the plasma membrane.,similarity:Contains 1 FCH domain.,similarity:Contains 1 SH3 domain.,subcellular location:Enriched in selected actin structures.,subunit:Homotrimer. Interacts with DAB2 (By similarity). Interacts with NOS3, DNM2, WASL and CAV1.,tissue specificity: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),.



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.[supplied by OMIM, Apr 2004],

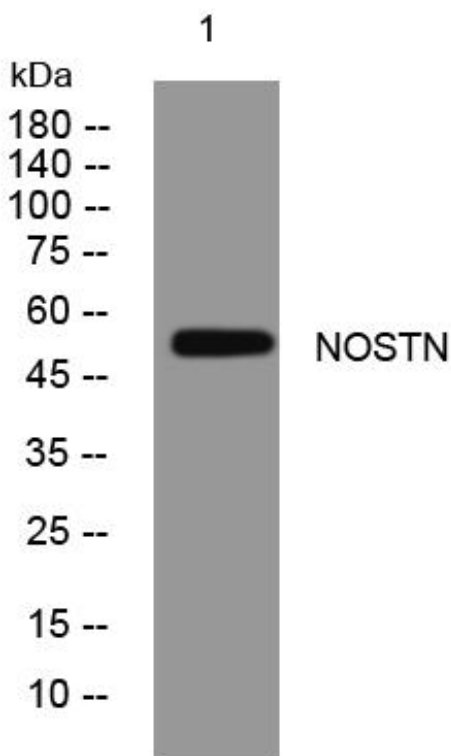
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of various cells using NOSTN mouse mAb