antibodies -online.com





anti-ENOS antibody (AA 1105-1202)

3 Images



Publications



Go to Product page

Overview

Quantity:	100 μL
Target:	ENOS (NOS3)
Binding Specificity:	AA 1105-1202
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ENOS antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Flow Cytometry (FACS), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human NOS-3
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Predicted Reactivity:	Dog,Cow,Sheep,Pig,Guinea Pig
Purification:	Purified by Protein A.

Target Details

Target: ENOS (NOS3)

Target Details

Buffer:

Preservative:

ProClin

l arget Details	
Alternative Name:	eNOS (NOS3 Products)
Background:	Synonyms: eNOS, ECNOS, Nitric oxide synthase, endothelial, Constitutive NOS, cNOS, EC-NOS
	Endothelial NOS, NOS type III, NOSIII, NOS3
	Background: Produces nitric oxide (NO) which is implicated in vascular smooth muscle
	relaxation through a cGMP-mediated signal transduction pathway. NO mediates vascular
	endothelial growth factor (VEGF)-induced angiogenesis in coronary vessels and promotes
	blood clotting through the activation of platelets. Isoform eNOS13C: Lacks eNOS activity,
	dominant-negative form that may down-regulate eNOS activity by forming heterodimers with
	isoform 1.
Gene ID:	4846
UniProt:	P29474
Pathways:	ACE Inhibitor Pathway, Regulation of Systemic Arterial Blood Pressure by Hormones, Cellular
	Response to Molecule of Bacterial Origin, Myometrial Relaxation and Contraction, Signaling
	Events mediated by VEGFR1 and VEGFR2, Thromboxane A2 Receptor Signaling, VEGFR1
	Specific Signals, VEGF Signaling
Application Details	
Application Notes:	WB 1:300-5000
	ELISA 1:500-1000
	FCM 1:20-100
	IHC-P 1:200-400
	IHC-F 1:100-500
	IF(IHC-P) 1:50-200
	IF(IHC-F) 1:50-200
	IF(ICC) 1:50-200
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Concentration:	1 μg/μL

0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.

Handling

Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months
Publications	

Product cited in:

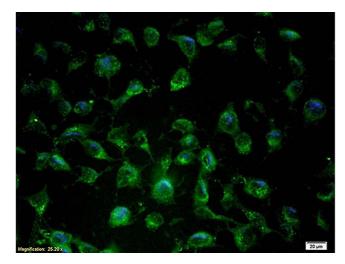
Wu, Chou, Huang, Lin, Chen: "Bubble CPAP Support after Discontinuation of Mechanical Ventilation Protects Rat Lungs with Ventilator-Induced Lung Injury." in: Respiration; international review of thoracic diseases, Vol. 91, Issue 2, pp. 171-9, (2016) (PubMed).

Prayitnaningsih, Sujuti, Effendi, Abdullah, Anandita, Yohana, Permatasari, Widodo: "Neuropathy optic glaucomatosa induced by systemic hypertension through activation endothelin-1 signaling pathway in central retinal artery in rats." in: International journal of ophthalmology, Vol. 9, Issue 11, pp. 1568-1577, (2016) (PubMed).

Hu, Yan, Wang, Meng, Pan: "Comparative analysis of preservation method and intermittent perfusion volume on the expression of endothelial and inflammatory markers by coronal artery and myocardium in porcine donor hearts." in: ASAIO journal (American Society for Artificial Internal Organs: 1992), Vol. 60, Issue 6, pp. 681-7, (2014) (PubMed).

Wen, He, Xing: "Erythropoietin promotes retinal angiogenesis in a mouse model." in: Molecular medicine reports, Vol. 10, Issue 6, pp. 2979-84, (2014) (PubMed).

There are more publications referencing this product on: Product page



Immunofluorescence

Image 1. Cultured endothelial cells labeled with Anti-Nos-3/ENOSPolyclonal Antibody (ABIN725690), Unconjugated, followed by conjugation to the secondary antibody Goat Anti-Rabbit IgG,FITC conjugated at 1:200 dilution for 40 min.



Immunohistochemistry

Image 2. Formalin-fixed and paraffin embedded: rat heart tissue labeled with Anti-NOS-3/eNOS Polyclonal Antibody (ABIN725690), Unconjugated at 1:200 followed by conjugation to the secondary antibody and DAB staining



Immunohistochemistry (Paraffin-embedded Sections)

Image 3. Formalin-fixed and paraffin embedded: rat heart tissue labeled with Anti-NOS-3/eNOS Polyclonal Antibody, Unconjugated at 1:200 followed by conjugation to the secondary antibody and DAB staining