Datasheet for ABIN908663

anti-ENOS antibody (AA 1105-1202) (AbBy Fluor® 647)

1 Image

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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 conjugated to AbBy Fluor® 647
Application:	Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Flow Cytometry (FACS)

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)
Alternative Name:	eNOS (NOS3 Products)

Target Details

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:	FCM 1:20-100
	IF(IHC-P) 1:50-200
	IF(IHC-F) 1:50-200
	IF(ICC) 1:50-200

Restrictions:	For Research Use only

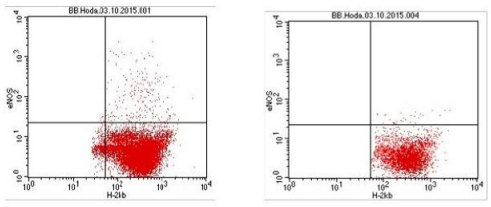
Handling

Format:	Liquid
Concentration:	1 μg/μL
Buffer:	Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	-20 °C

Handling

Storage Comment:	Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.
Expiry Date:	12 months

Images



Whole blood samples were stained with fluorochrome-conjugated antibodies of interest **(H-2kb for B6 Mouse, and Rabbit Anti-eNOS Polyclonal Antibody (Cat# bs-0163R-A647, Bioss Inc.)** and analyzed using a four-color flow cytometer (FACS Calibur, BD Biosciences, San Diego, CA) and CellQuest software.

Flow Cytometry

Image 1. FACS Analysis of Endothelial Nitric Oxide Synthase (eNOS; NOS3) in Circulating Blood Cells in Mouse using Rabbit Anti-eNOS Polyclonal Antibody (bs-0163R-A647). Image kindly submitted by Nasrul Hoda, PhD, Georgia Regents University