Datasheet for ABIN953739

anti-ENOS antibody (AA 1163-1191)

2 Images

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Overview

Quantity:	0.4 mL
Target:	ENOS (NOS3)
Binding Specificity:	AA 1163-1191
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ENOS antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	KLH conjugated synthetic peptide between 1163-1191 amino acids from Human eNOS Genename: NOS3
Isotype:	Ig Fraction
Specificity:	This antibody recognizes Human eNOS (1163-1191).
Purification:	Affinity Chromatography on Protein A

Target Details

Target:	ENOS (NOS3)
Alternative Name:	NOS3 (NOS3 Products)
Background:	Nitric oxide is a reactive free radical which acts as a biologic mediator in several processes,

Target Details

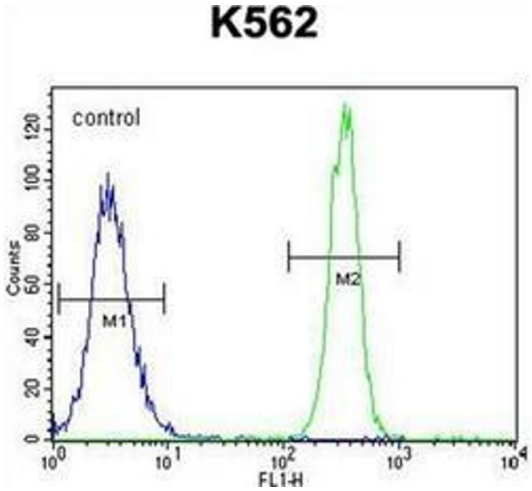
	including neurotransmission and antimicrobial and antitumoral activities. Nitric oxide is synthesized from L-arginine by nitric oxide synthases. Variations in this gene are associated with susceptibility to coronary spasm. Multiple transcript variants encoding different isoforms have been found for this gene.Synonyms: Constitutive NOS, EC-NOS, Endothelial NOS, NOS type III, Nitric oxide synthase, eNOS, endothelial
Molecular Weight:	133289 Da
Gene ID:	4846
NCBI Accession:	NP_000594
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:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

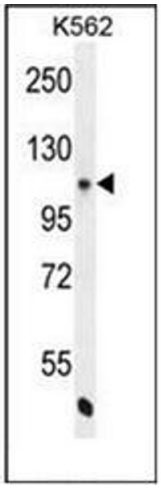
Handling

Format:	Liquid
Concentration:	0.25 mg/mL
Buffer:	PBS containing 0.09 % (W/V) Sodium Azide as preservative
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store undiluted at 2-8 °C for one month or (in aliquots) at -20 °C to -80 °C for longer.



Flow Cytometry

Image 1. Flow cytometric analysis of K562 cells using NOS3 Antibody (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



Western Blotting

Image 2. Western blot analysis of NOS3 Antibody in K562 cell line lysates (35ug/lane). This demonstrates the eNos antibody detected the eNos protein (arrow).