Datasheet for ABIN969097

anti-ENOS antibody

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Overview

Quantity:	100 µL
Target:	ENOS (NOS3)
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This ENOS antibody is un-conjugated
Application:	ELISA, Immunohistochemistry (IHC)

Product Details

Immunogen:	Purified recombinant fragment of human eNOS expressed in E. coli.
Clone:	6H2
Isotype:	IgG1
Purification:	purified

Target Details

Target:	ENOS (NOS3)
Alternative Name:	eNOS (NOS3 Products)
Background:	Description: Endothelial nitric-oxide synthase (eNOS), also known as NOS3, it is an important enzyme in the cardiovascular system. It is a reactive free radical which acts as a biologic mediator in several processes, including neurotransmission and antimicrobial and antitumoral activities. Nitric oxide is synthesized from L-arginine by nitric oxide synthases. Variations in this

Target Details

	gene are associated with susceptibility to coronary spasm. Aliases: ECNOS, NOS3
Molecular Weight:	133 kDa
Gene ID:	4846
HGNC:	4846
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

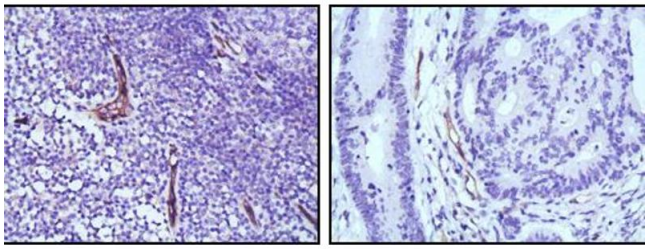
Application Notes:	ELISA: 1:10000, IHC: 1:200 - 1:1000
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Ascitic fluid containing 0.03 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C/-20 °C
Storage Comment:	4°C, -20°C for long term storage

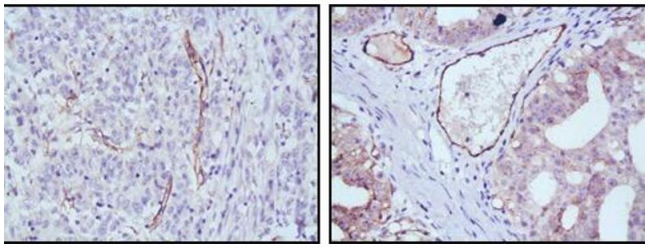
Publications

Product cited in:	Moreno: "Genetic polymorphisms and haplotypes of eNOS in breast cancer." in: **Breast cancer research and treatment**, Vol. 109, Issue 1, pp. 181-2, (2008) (PubMed). Lahiri, Martin: "Reduced expression of endothelial and inducible nitric oxide synthase in a multidrug resistant variant of the MCF-7 human breast cancer cell line." in: **Oncology reports**, Vol. 12, Issue 5, pp. 1007-11, (2004) (PubMed).



Immunohistochemistry

Image 1. Immunohistochemical analysis of paraffin-embedded human lymph node (left) and colon cancer (right) tissues using eNOS mouse mAb with DAB staining.



Immunohistochemistry

Image 2. Immunohistochemical analysis of paraffin-embedded human stomach cancer (left) and ovary cancer (right) tissues using eNOS mouse mAb with DAB staining.