

Datasheet for ABIN5542466
anti-NOS1 antibody (AA 17-153)

5 Images

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Overview

Quantity:	0.1 mg
Target:	NOS1
Binding Specificity:	AA 17-153
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This NOS1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Immunocytochemistry (ICC), Flow Cytometry (FACS)

Product Details

Immunogen:	Purified recombinant fragment of human NOS1 (AA: 17-153) expressed in E. coli.
Clone:	2E11G6
Isotype:	IgG1
Purification:	purified

Target Details

Target:	NOS1
Alternative Name:	NOS1 (NOS1 Products)
Background:	Description: The protein encoded by this gene belongs to the family of nitric oxide synthases,

Target Details

which synthesize nitric oxide from L-arginine. Nitric oxide is a reactive free radical, which acts as a biologic mediator in several processes, including neurotransmission, and antimicrobial and antitumoral activities. In the brain and peripheral nervous system, nitric oxide displays many properties of a neurotransmitter, and has been implicated in neurotoxicity associated with stroke and neurodegenerative diseases, neural regulation of smooth muscle, including peristalsis, and penile erection. This protein is ubiquitously expressed, with high level of expression in skeletal muscle. Multiple transcript variants that differ in the 5' UTR have been described for this gene but the full-length nature of these transcripts is not known. Additionally, alternatively spliced transcript variants encoding different isoforms (some testis-specific) have been found for this gene.,

Aliases: NOS, bNOS, nNOS, IHPS1, N-NOS, NC-NOS

Molecular Weight:	161 kDa
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Gene ID:	4842
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HGNC:	4842
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Pathways:	Negative Regulation of Hormone Secretion , Myometrial Relaxation and Contraction
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Application Details

Application Notes:	ELISA: 1:10000, WB: 1:500 - 1:2000, IHC: , ICC: 1:200 - 1:1000, FCM: 1:200 - 1:400
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Restrictions:	For Research Use only
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Handling

Format:	Liquid
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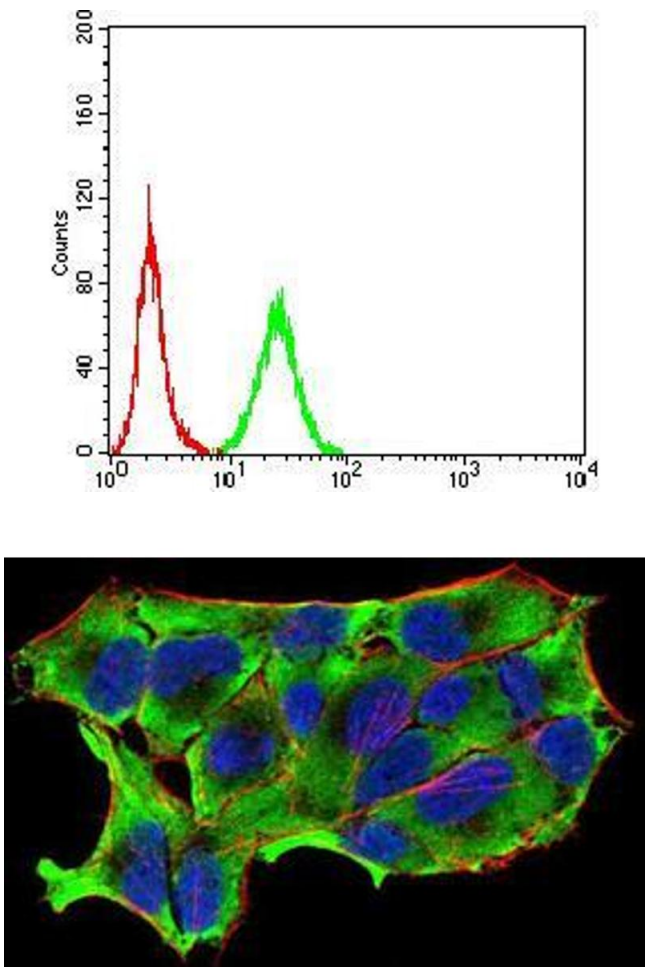
Buffer:	Purified antibody in PBS with 0.05 % sodium azide
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Preservative:	Sodium azide
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Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
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Storage:	4 °C/-20 °C
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Storage Comment:	4°C, -20°C for long term storage
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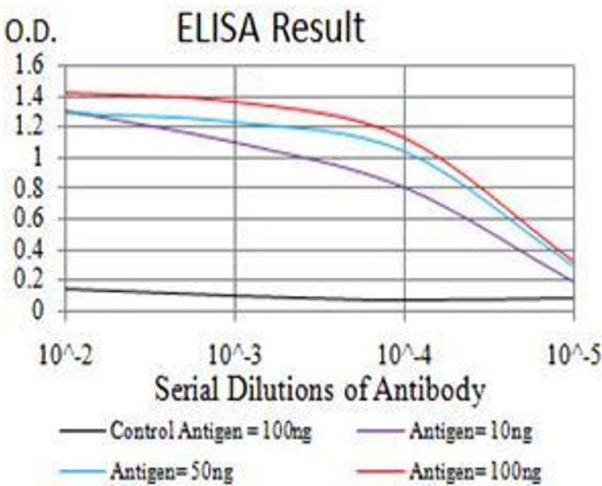


Flow Cytometry

Image 1. Flow cytometric analysis of HeLa cells using NOS1 mouse mAb (green) and negative control (red).

Immunofluorescence

Image 2. Immunofluorescence analysis of HeLa cells using NOS1 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor- 555 phalloidin. Secondary antibody from Fisher (Cat#: 35503)



ELISA

Image 3. Black line: Control Antigen (100 ng), Purple line: Antigen(10 ng), Blue line: Antigen (50 ng), Red line: Antigen (100 ng),

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN5542466.