Mouse NOS1/nNOS Monoclonal Antibody | anti-NOS1/nNOS antibody

NOS1/nNOS Antibody: PerCP

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA254006	**Mouse**	**Human, Mouse, Rat**	**Immunohistochemistry, ELISA, Immunofluorescence, Immunocytochemistry, Western Blot**

PRODUCT SYNONYMS

NOS1/nNOS; Monoclonal Antibody; NOS1/nNOS Antibody: PerCP; Mouse Anti-Human NOS1 Monoclonal IgG2a; BNOS Antibody; Constitutive NOS Antibody; IHPS 1 Antibody; IHPS1 Antibody; N-NOS Antibody; NC-NOS Antibody; neuronal Nitric Oxide Synthase Antibody; Neuronal NOS Antibody; Nitric oxide synthase neuronal included Antibody; Nitric oxide synthase 1 (neuronal) Antibody; Nitric oxide synthase 1 Antibody; NNOS Antibody; NO Antibody; NOS 1 Antibody; NOS Antibody; NOS type I Antibody; NOS-I Antibody; NOS1 Antibody; NOS1_HUMAN Antibody; anti-NOS1/nNOS antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Isotype	IgG2a
Clone Number	J23
Specificity	Detects ~160.97kDa.
Purity/Purification	Protein A Purified
Form/Format	PBS pH7.4, 50% glycerol, 0.09% Sodium Azide
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-NOS1/nNOS antibody	IHC (Immunohistochemistry), ELISA, IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot)
Immunogen	Partial Human Recombinant NOS1 Protein
Immunogen Species	Human
Conjugation	PerCP
Tissue Specificity	Ubiquitously expressed; detected in skeletal muscle and brain, also in testis, lung and kidney.
Cellular Localization	Cell Membrane
Preparation and Storage	Store at -20 degree C Shipping: Blue Ice

IMAGES



WB (Western Blot)
Western Blot analysis of Mouse Cerebellum showing detection of NOS1/nNos protein using Mouse Anti-NOS1/nNos Monoclonal Antibody, Clone J23 . Lane 1: MW ladder. Lane 2: Mouse Brain Cerebellum (7.5 ug). Load: 7.5 ug. Block: 5% Skim Milk powder in TBST. Primary Antibody: Mouse Anti-NOS1/nNos Monoclonal Antibody at 1:1000 for 2 hours at RT with shaking. Secondary Antibody: Goat anti-mouse IgG:HRP at 1:4000 for 1 hour at RT with shaking. Color Development: Chemiluminescent for HRP (Moss) for 5 min in RT.



ICC (Immunocytochemistry)
Immunocytochemistry/Immunofluorescence analysis using Mouse Anti-NOS1/nNos Monoclonal Antibody, Clone J23 . Tissue: Differentiated SH-SY5Y. Species: Human. Primary Antibody: Mouse Anti-NOS1/nNos Monoclonal Antibody at 1:250. Secondary Antibody: AlexaFluor 488. Counterstain: phalloidin (Alexa 647, red), beta tubulin (Anti-beta III Tubulin Ab, Alexa 555, magenta) Hoechst (blue). (A) Phalloidin (B) Anti-beta III Tubulin Ab. (C) NOS1/nNOS Antibody. (D) Hoechst (E) Composite.

ADDITIONAL INFORMATION

Related Product Information for anti-NOS1/nNOS antibody	nNOS/NOS I, also known as NC-NOS, or NOS type I, or Neuronal NOS, or produces nitric oxide (NO) which is a messenger molecule with diverse functions throughout the body. Nitric oxide production is mediated by members of the nitric oxide synthase (NOS) family. NOS catalyzes the oxidization of L-arginine to produce L-citrulline and NO. There are two constitutive isoforms, brain or neuronal NOS (b or nNOS, type I) & endothelial cell NOS (eNOS, type III), and one inducible isoform (iNOS, type II).
Product Categories/Family for anti-NOS1/nNOS antibody	Antibodies; Neuroscience; Neurotransmission; Nitric Oxide; Cancer; Cancer Metabolism; Response to Hypoxia

NCBI AND UNIPROT INFORMATION

NCBI GI #	10835173
NCBI GeneID	4842
NCBI Accession #	NP_000611.1
NCBI GenBank Nucleotide #	NM_000620.4
UniProt Accession #	P29475; O75713; E9PH30
Molecular Weight	160,970 Da
NCBI Official Full Name	nitric oxide synthase, brain isoform 1
NCBI Official Synonym Full Names	nitric oxide synthase 1 (neuronal)
NCBI Official Symbol	NOS1
NCBI Official Synonym Symbols	NOS; bNOS; nNOS; IHPS1; N-NOS; NC-NOS
NCBI Protein Information	nitric oxide synthase, brain; NOS type I; neuronal NOS; constitutive NOS; peptidyl-cysteine S-nitrosylase NOS1
UniProt Protein Name	Nitric oxide synthase, brain
UniProt Gene Name	**NOS1**
UniProt Synonym Gene Names	N-NOS; nNOS
UniProt Entry Name	NOS1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://stage.aaabiotech.com/monoclonal/nos1-nnos-antibody-clone-j23-immunohistochemistry-immunofluorescence-immunocytochemistry-western-blot-elisa/254006