

Rabbit nNOS(neuronal) Polyclonal Antibody | anti-NOS1 antibody

Anti-nNOS(neuronal) antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA44984	Rabbit	Human, Rat Predicted to work with: Mouse	Immunohistochemistry, Western Blot

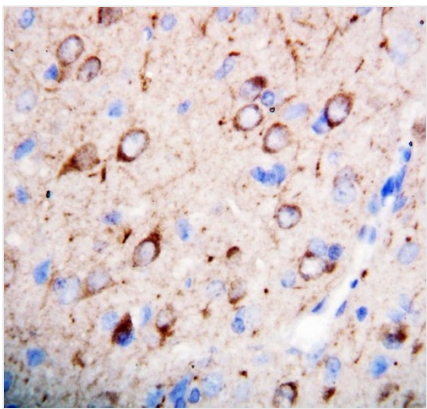
PRODUCT SYNONYMS

nNOS(neuronal); Polyclonal Antibody; Anti-nNOS(neuronal) antibody; Nitric oxide synthase; brain; nitric oxide synthase 1(neuronal); 2310005C01Rik antibody; bNOS antibody; Constitutive NOS antibody; EC 1.14.13.39 antibody; IHPS 1 antibody; IHPS1 antibody; N NOS antibody; N-NOS antibody; NC NOS antibody; NC-NOS antibody; neuronal Nitric Oxide Synthase antibody; Neuronal NOS antibody; neuronal; included antibody; Nitric oxide synthase 1(neuronal) antibody; Nitric oxide synthase 1 antibody; Nitric oxide synthase brain antibody; brain antibody; penile neuronal; nNOS antibody; NO antibody; NOS 1 antibody; NOS antibody; NOS type I antibody; NOS-I antibody; NOS1 antibody; NOS1_HUMAN antibody; Peptidyl-cysteine S-nitrosylase NOS1 antibody; anti-NOS1 antibody

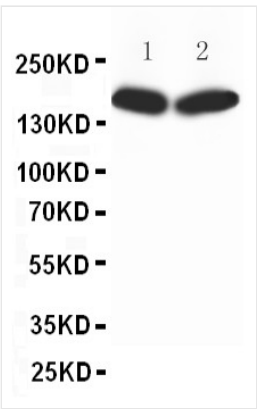
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Rat Predicted to work with: Mouse
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized
Sequence Length	1434
Applicable Applications for anti-NOS1 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human nNOS (neuronal) (1418-1434aa IAFIEESKKDTDEVFSS), identical to the related mouse and rat sequences.
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	Store at -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

IMAGES



IHC (Immunohistochemistry)
Anti-nNOS(neuronal) antibody, AAA44984, IHC(P)IHC(P): Rat Brain Tissue



WB (Western Blot)
Anti-nNOS(neuronal) antibody, AAA44984, Western blottingAll lanes: Anti nNOS(neuronal)(AAA44984) at 0.5ug/mlLane 1: Rat Brain Tissue Lysate at 50ugLane 2: MCF-7 Whole Cell Lysate at 40ugPredicted bind size: 160KDObserved bind size: 160KD

ADDITIONAL INFORMATION

Related Product Information for anti-nNOS1 antibody

Nitric oxide synthase 1 (neuronal), also known as NOS1, is an enzyme that in humans is encoded by the NOS1 gene. The protein encoded by this gene belongs to the family of nitric oxide synthases, 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.

NCBI AND UNIPROT INFORMATION

NCBI GI #	1709333
NCBI GeneID	4842
UniProt Accession #	P29475; O75713; E9PH30
NCBI Official Full Name	Nitric oxide synthase, brain
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.