

MaxPab®

NOS1 purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00004842-B01P

Size 500 ug

Specification

Product Description

Mouse polyclonal antibody raised against a full-length human NOS1 protein.

Immunogen

NOS1 (AAI56400.1, 1 a.a. ~ 1434 a.a) full-length human protein.

Sequence

MEDHMFVQIQPNVISVRLFKRKVGGLGFLVKERVSKPPVIISDLIRGGAAEQSGLIQAGDIILAVN
GRPLVDLSYDSALEVLRGIASETHVVLIRGPEGFTTHLETTFTGDGTPKTIRVTQPLGPPTKAVDL
SHQPPAGKEQPLAVDASGPGNGPQHAYDDGQEAGSLPHANGLAPRPPGQDPAKKATRVSLQ
GRGENNELLKEIEPVLSLLTSGSRGVKGGAPAKAEMKDMGIQVDRDLGKSHKPLPLGVENDRV
FNDLWGKGNVPVVLNNPYSEKEQPPTSGKQSPKNGSPSKCPRFLKVKNWETEVLDTLHLK
STLETGCTEYICMGSIMHPSQHARRPEDVRTKGQLFPLAKEFIDQYSSIKRFGSKAHMERLEEVE
KEIDTTSTYQLKDTIELIYGAHAWRNASRCVGRIQWSKLQVFDARDCTTAHGMFNYICNHVKYATN
KGNLRSATIFPQRTDGKHDFRVWNSQLIRYAGYKQPDGSTLGD PANVQFTEICIQGWKPPRGRF
DVLPLLLQANGNDPELFIQIPPELVLEVPRIHPKFEWFKDLGLKWYGLPAVSNMILLEIGGLEFSACP
FSGWYMGTEIGVRDYCDNSRYNILEEVAKKMNLDMRKTSSLWKDQALVEINIAVLYSFQSDKVTIV
DHHSATESFIKHMENEYRCRGGCPADWWVWPPMSGITPVFHQEMLNRYLTPSFEYQPDWNT
HVWKGNTGTPTKRRAIGFKKLAEAVKFSAKLMGQAMAKRVKATILYATETGKSQAYAKTLCEIFKH
AFDAKVMSMEEYDIVHLEHETLVLVVTSTFGNGDPPENGEKFGCALMEMRHPNSVQEERKSYKV
RFNSVSSYSQSSGDGPDLDNFESAGPLANVRFSVFLGSRAYPHFCAFGHAVDTLLEEL
GGERILKMREGDELQGEAFRTWAKKVFAACDVFCVGDDVNEKANNLSISNDRSWKRNF
LTFVAEAPELTQGLSNVHKRVSAARLLSRQNLQSPKSSRSTIFVRLHTNGSQELQYQPGDHLGV
FPGNHEDLVNALIERLEDAPPVNQMVKVELLEERNTALGVISNWTDELRLPPCTIFQAFKYLDITT
PPTPLQLQQFASLATSEKEKQRLVLVSKGLQEYEEWKWGKNPTVEVLEEFPSIQMPATLLLTQLS
LLQPRYSSISSPDMYPDEVHLTVAIVSYRTRDGEGPIHHGVCSSWLNRIQADELVPCFVRGAPSF
HLPRNPQVPCILVPGGTGIAPFRSFWQQRQFDIQHKGMNCPMVLVFGCRQSKIDHIYREETLQA
KNKGVFRELYTAYSREPDKPKKYVQDILQEQLAESVYRALKEQGGHIYVCGDVTMAADV LKAIQRI
MTQQGKLSAEDAGVFISMRDDNRYHEDIFGVTLRTYEVTNRLRSESI AFIEESKKDTDEVFSS

Host

Mouse

Reactivity

Human

Interspecies Antigen Sequence

Mouse (94)

Quality Control Testing

Antibody reactive against mammalian transfected lysate.

Storage Buffer

In 1x PBS, pH 7.4

Storage Instruction

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

Gene Info — NOS1

Entrez GeneID	4842
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GeneBank Accession#	BC156399.1
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Protein Accession#	AAI56400.1
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Gene Name	NOS1
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Gene Alias	IHPS1, NOS, nNOS
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Gene Description	nitric oxide synthase 1 (neuronal)
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Omim ID	163731 179010
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Gene Ontology	Hyperlink
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Gene Summary	Nitric oxide 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. This gene encodes a nitric oxide synthase which is highly expressed in skeletal muscle. Genetic variations in this gene are associated with infantile hypertrophic pyloric stenosis type 1
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Other Designations	neuronal nitric oxide synthase
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Pathway

- [Amyotrophic lateral sclerosis \(ALS\)](#)
- [Arginine and proline metabolism](#)
- [Calcium signaling pathway](#)
- [Long-term depression](#)

- [Metabolic pathways](#)
- [Pathways in cancer](#)
- [Small cell lung cancer](#)

Disease

- [Acute Disease](#)
- [Alcoholism](#)
- [alpha 1-Antitrypsin Deficiency](#)
- [Alpha-1-antitrypsin deficiency](#)
- [Alzheimer disease](#)
- [Anemia](#)
- [Asthma](#)
- [Attention](#)
- [Attention Deficit Disorder with Hyperactivity](#)
- [Autistic Disorder](#)
- [beta-Thalassemia](#)
- [Bipolar Disorder](#)
- [Birth Weight](#)
- [Brain Neoplasms](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Bronchial Hyperreactivity](#)
- [Bronchiolitis](#)
- [Cardiovascular Diseases](#)
- [Chest Pain](#)

- [Chronic Disease](#)
- [Cluster Headache](#)
- [Cognition](#)
- [Cognition Disorders](#)
- [Colitis](#)
- [Constipation](#)
- [Coronary Disease](#)
- [Cystic fibrosis](#)
- [Depressive Disorder](#)
- [Diabetes Mellitus](#)
- [Diabetic Nephropathies](#)
- [Diabetic Neuropathies](#)
- [Dyskinesia](#)
- [Edema](#)
- [Esophageal Achalasia](#)
- [Genetic Predisposition to Disease](#)
- [Glioblastoma](#)
- [Glioma](#)
- [HIV Infections](#)
- [Hypersensitivity](#)
- [Hypertension](#)
- [Infant](#)
- [Leukemia](#)
- [Lung Neoplasms](#)
- [Lymphoma](#)
- [Malignant melanoma](#)

- [Melanoma](#)
- [Memory](#)
- [Meningeal Neoplasms](#)
- [Meningioma](#)
- [Mental Disorders](#)
- [Migraine Disorders](#)
- [Multiple Sclerosis](#)
- [Nephrosis](#)
- [Neuropsychological Tests](#)
- [Occupational Diseases](#)
- [Parkinson disease](#)
- [Personality Disorders](#)
- [Postmortem Changes](#)
- [Pseudomonas Infections](#)
- [Psychometrics](#)
- [Psychomotor Performance](#)
- [Pulmonary Disease](#)
- [Pyloric Stenosis](#)
- [Respiratory Hypersensitivity](#)
- [Respiratory Syncytial Virus Infections](#)
- [Restless Legs Syndrome](#)
- [Schizophrenia](#)
- [Schizophrenic Psychology](#)
- [Skin Neoplasms](#)
- [Spinal Dysraphism](#)
- [Syndrome](#)

- [Thalassemia](#)
- [Tobacco Use Disorder](#)