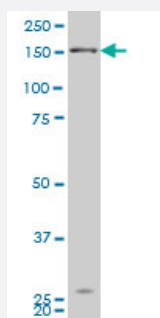


NOS1 polyclonal antibody (A01)

Catalog # H00004842-A01

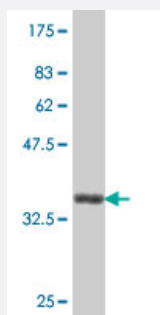
Size 50 uL

Applications



Western Blot (Cell lysate)

NOS1 polyclonal antibody (A01), Lot # 060105JC01 Western Blot analysis of NOS1 expression in SJCRH30 (Cat # L027V1).



Western Blot detection against Immunogen (38.21 KDa) .

Specification

Product Description	Mouse polyclonal antibody raised against a partial recombinant NOS1.
Immunogen	NOS1 (NP_000611, 1041 a.a. ~ 1150 a.a) partial recombinant protein with GST tag.
Sequence	FPGNHEDLVNALIERLEDAPPVNQMVKVELLEERNTALGVISNWTDELRLPPCTIFQAFKYLDITT PPTPLQLQQFASLATSEKEKQRLVLVLSKGLQEYEEWKWGKNPT
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (94)

Quality Control Testing

Antibody Reactive Against Recombinant Protein.
Western Blot detection against Immunogen (38.21 KDa) .

Storage Buffer

50 % glycerol

Storage Instruction

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

Applications

- Western Blot (Cell lysate)

NOS1 polyclonal antibody (A01), Lot # 060105JC01 Western Blot analysis of NOS1 expression in SJCRH30 (Cat # L027V1).

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

Gene Info — NOS1

Entrez GeneID

[4842](#)

GeneBank Accession#

[NM_000620](#)

Protein Accession#

[NP_000611](#)

Gene Name

NOS1

Gene Alias

IHPS1, NOS, nNOS

Gene Description

nitric oxide synthase 1 (neuronal)

Omim ID

[163731](#) [179010](#)

Gene Ontology

[Hyperlink](#)

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

Other Designations

neuronal nitric oxide synthase

Publication Reference

- [Dried plum and chokeberry ameliorate d-galactose-induced aging in mice by regulation of PI3k/Akt-mediated Nrf2 and Nf-kB pathways.](#)

Jeong H, Liu Y, Kim HS.

Experimental Gerontology 2017 May; 95:16.

Application: WB-Ti, Mouse, Mouse liver

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](#)