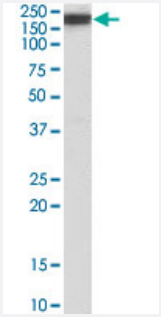
NOS1 polyclonal antibody

Catalog # PAB6086 Size 100 ug

Applications



Western Blot (Tissue lysate)

NOS1 polyclonal antibody (Cat # PAB6086) staining (0.3 ug/mL) of human muscle extracts (RIPA buffer, 35 ug total protein per lane). Primary incubated for 1 hour. Detected by western blot using chemiluminescence.

Specification

Product Description	Goat polyclonal antibody raised against synthetic peptide of NOS1.
Immunogen	A synthetic peptide corresponding to human NOS1.
Sequence	C-ESKKDTDEVFSS
Host	Goat
Theoretical MW (kDa)	161
Reactivity	Mouse
Form	Liquid
Purification	Antigen affinity purification
Concentration	0.5 mg/mL
Quality Control Testing	Antibody Reactive Against Synthetic Peptide.
Recommend Usage	ELISA (1:64000) Western Blot (0.3-1 ug/mL) The optimal working dilution should be determined by the end user.

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Storage Buffer	In Tris saline, pH 7.3 (0.5% BSA, 0.02% sodium azide)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Immunohistochemistry
- Immunofluorescence
- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Tissue lysate)

  NOS1 polyclonal antibody (Cat # PAB6086) staining (0.3 ug/mL) of human muscle extracts (RIPA buffer, 35 ug total protein per lane). Primary incubated for 1 hour. Detected by western blot using chemiluminescence.

Gene Info — NOS1

Entrez GeneID	4842
Protein Accession#	NP_000611.1
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, inclu ding neurotransmission and antimicrobial and antitumoral activities. Nitric oxide is synthesized fro m 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 hypertr ophic pyloric stenosis type 1
Other Designations	neuronal nitric oxide synthase

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Publication Reference

- Expression of two types of nitric oxide synthase mRNA in human neuroblastoma cell lines.

  Fujisawa H, Ogura T, Kurashima Y, Yokoyama T, Yamashita J, Esumi H.

  Journal of Neurochemistry 1994 Jul; 63(1):140.

  Application: WB-Ce, WB-Ti, Human, Rat, Cerebellum, IMR-32, TWG-I-nu, Nagai, SK-N-DZ, HeLa S-3 cells

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

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- 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

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- 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

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- 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

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