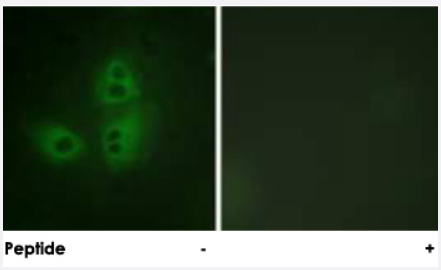
NOS1 polyclonal antibody

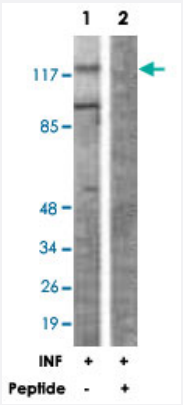
Catalog # PAB18194 Size 100 ug

Applications



Immunofluorescence

Immunofluorescence analysis of HeLa cells, using NOS1 polyclonal antibody (Cat # PAB18194).
Peptide "+" means "peptide blocking".



Western Blot (Cell lysate)

Western blot analysis of extracts from Raw 264.7 cells, treated with INF (2500 U/mL, 10 mins), using NOS1 polyclonal antibody (Cat # PAB18194).
Peptide "+" means "peptide blocking".

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of NOS1.
Immunogen	A synthetic peptide corresponding to residues surrounding S852 of human NOS1.
Host	Rabbit
Reactivity	Human, Mouse, Rat
Specificity	This antibody is specific to NOS1.
Form	Liquid

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Purification	Affinity purification
Concentration	1 mg/mL
Recommend Usage	Western Blot (1:500-1:1000) Immunofluorescence (1:500-1:1000) ELISA (1:5000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, 150mM NaCl, pH 7.4 (50% glycerol, 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

- Immunofluorescence

  Immunofluorescence analysis of HeLa cells, using NOS1 polyclonal antibody (Cat # PAB18194).
  Peptide "+" means "peptide blocking".

- Enzyme-linked Immunoabsorbent Assay

- Western Blot (Cell lysate)

  Western blot analysis of extracts from Raw 264.7 cells, treated with INF (2500 U/mL, 10 mins), using NOS1 polyclonal antibody (Cat # PAB18194).
  Peptide "+" means "peptide blocking".

Gene Info — NOS1

Entrez GeneID	4842
Protein Accession#	P29475
Gene Name	NOS1
Gene Alias	IHPS1, NOS, nNOS
Gene Description	nitric oxide synthase 1 (neuronal)
Omim ID	163731 179010
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
Other Designations	neuronal nitric oxide synthase

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

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- 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
- Psychomotor Performance

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- 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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