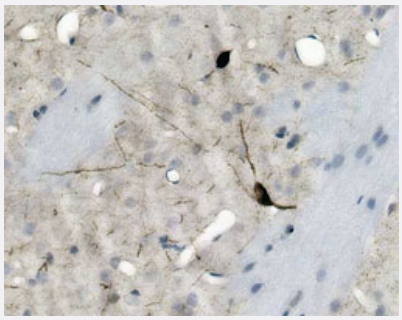
NOS1 polyclonal antibody

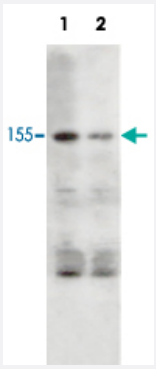
Catalog # PAB15602 Size 100 uL

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Formalin fixed, citric acid treated parafin sections of adult rat striatum. Sections were probed with NOS1 polyclonal antibody (Cat # PAB15602) then anti-Rabbit HRP before detection using DAB.
Images provided by Carl Hobbs and Dr. Pat Doherty at Wolfson Centre for Age-Related Diseases, King's College London.



Western Blot (Tissue lysate)

Western blot analysis of rat brain tissue lysate (10 mg/lane). Blot was probed with NOS1 polyclonal antibody (Cat # PAB15602) at 1 : 250 (Lane 1) or 1 : 1000 (Lane 2).

Specification

Product Description	Rabbit polyclonal antibody raised against partial recombinant NOS1.
Immunogen	Recombinant protein corresponding to C-terminus of human NOS1.
Host	Rabbit
Reactivity	Human, Mouse, Rat
Specificity	This sequence is conserved in human and rat eNOS, and has low homology to other NOS family members.
Form	Liquid

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Recommend Usage	ELISA (1:2000) Western Blot (1:500) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (50% glycerol, 1 mg/mL BSA, 0.05% 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 (Formalin/PFA-fixed paraffin-embedded sections)

  Formalin fixed, citric acid treated parafin sections of adult rat striatum. Sections were probed with NOS1 polyclonal antibody (Cat # PAB15602) then anti-Rabbit HRP before detection using DAB.
  Images provided by Carl Hobbs and Dr. Pat Doherty at Wolfson Centre for Age-Related Diseases, King's College London.

- Enzyme-linked Immunoabsorbent Assay

- Western Blot (Tissue lysate)

  Western blot analysis of rat brain tissue lysate (10 mg/lane). Blot was probed with NOS1 polyclonal antibody (Cat # PAB15602) at 1 : 250 (Lane 1) or 1 : 1000 (Lane 2).

Gene Info — NOS1

Entrez GeneID	4842
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

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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
- Bipolar Disorder
- Birth Weight
- Brain Neoplasms

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- 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

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- 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

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- Restless Legs Syndrome
- Schizophrenia
- Schizophrenic Psychology
- Skin Neoplasms
- Spinal Dysraphism
- Syndrome
- Thalassemia
- Tobacco Use Disorder

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