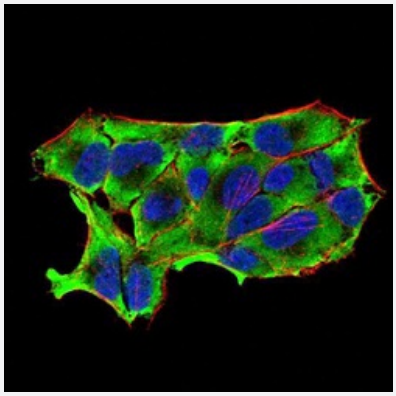
NOS1 monoclonal antibody, clone 2E11G6

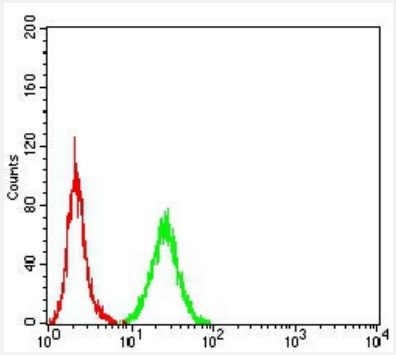
Catalog # MAB17131 Size 100 ug

Applications



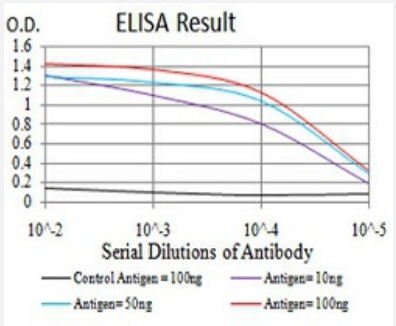
Immunocytochemistry

Immunocytochemical staining of HeLa cells with NOS1 monoclonal antibody (green). DRAQ5 fluorescent DNA dye (blue). Actin filaments have been labeled with Alexa Fluor- 555 phalloidin (red).



Flow Cytometry

Flow cytometric analysis of HeLa cells with NOS1 monoclonal antibody (green) and negative control (red).



Enzyme-linked Immunoabsorbent Assay

ELISA analysis of NOS1 monoclonal antibody, clone 2E11G6.

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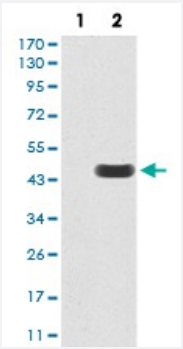

Western Blot (Transfected lysate)

Western Blot analysis of (1) HEK293 cells, (2) NOS1-hIgGFc transfected HEK293 cell lysate.

Specification

Product Description	Mouse monoclonal antibody raised against recombinant human NOS1.
Immunogen	Recombinant protein corresponding to amino acid 17-153 of human NOS1 from *E. coli*.
Host	Mouse
Theoretical MW (kDa)	161kDa
Reactivity	Human
Form	Liquid
Isotype	IgG1
Recommend Usage	ELISA (1:10000) Western Blot (1:500-1:2000) Immunohistochemistry Immunocytochemistry (1:200-1:1000) Flow Cytometry (1:200-1:400) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.05% sodium azide).
Storage Instruction	Store at 4°C. For long term storage 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

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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, 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

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- 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

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- 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

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- 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

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- Thalassemia
- Tobacco Use Disorder

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