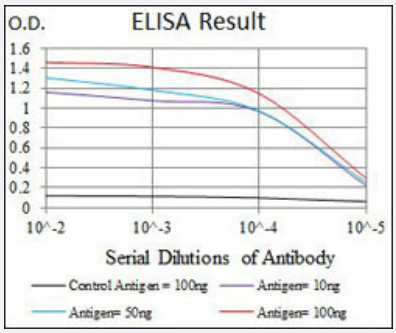
NOS2 monoclonal antibody, clone 4E5

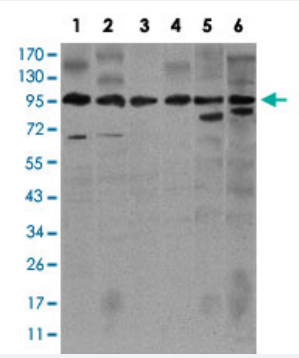
Catalog # MAB17874 Size 100 ug

Applications



Enzyme-linked Immunoabsorbent Assay

ELISA analysis with NOS2 monoclonal antibody, clone 4E5 (Cat # MAB17874).



Western Blot (Cell lysate)

Western Blot analysis of Lane 1: Jurkat, Lane 2: Jurkat, Lane 3: A549, Lane 4: HeLa, Lane 5: NIH3T3 and Lane 6: MCF-7 cell lysates with NOS2 monoclonal antibody, clone 4E5 (Cat # MAB17874).

Specification

Product Description	Mouse monoclonal antibody raised against partial recombinant human NOS2.
Immunogen	Recombinant protein corresponding to amino acids 997-1058 of human NOS2.
Host	Mouse
Theoretical MW (kDa)	131
Reactivity	Human
Form	Liquid

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Isotype	IgG1
Recommend Usage	ELISA (1/10000) Flow Cytometry (1/200-1/400) Immunohistochemistry (1/200-1/1000) Western Blot (1/500-1/2000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.05% Protein Stabilizer, 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

- Immunohistochemistry
- Flow Cytometry
- Enzyme-linked Immunoabsorbent Assay

  ELISA analysis with NOS2 monoclonal antibody, clone 4E5 (Cat # MAB17874).
- Western Blot (Cell lysate)

  Western Blot analysis of Lane 1: Jurkat, Lane 2: Jurkat, Lane 3: A549, Lane 4: HeLa, Lane 5: NIH3T3 and Lane 6: MCF-7 cell lysates with NOS2 monoclonal antibody, clone 4E5 (Cat # MAB17874).

Gene Info — NOS2

Entrez GeneID	4843
Protein Accession#	P35228
Gene Name	NOS2
Gene Alias	HEP-NOS, INOS, NOS, NOS2A
Gene Description	nitric oxide synthase 2, inducible
Omim ID	145500 163730 248310 611162
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. This gene encodes a nitric oxide synthase which is expressed in liver and is inducible by a combination of lipopolysaccharide and certain cytokines. Three related pseudogenes are located within the Smith-Magenis syndrome region on chromosome 17. [provided by RefSeq
Other Designations	NOS, type II|nitric oxide synthase 2A|nitric oxide synthase 2A (inducible, hepatocytes)|nitric oxide synthase, macrophage

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
- Adenocarcinoma
- Albuminuria
- Alzheimer disease
- Anemia
- Angina
- Angina Pectoris
- Arthritis
- Asthma
- Autistic Disorder

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- Barrett Esophagus
- Behcet Syndrome
- beta-Thalassemia
- Biliary Tract Neoplasms
- Birth Weight
- Brain Infarction
- Brain Ischemia
- Brain Neoplasms
- Bronchial Hyperreactivity
- Bronchiolitis
- Brucellosis
- Carcinoma
- Cardiovascular Diseases
- Cerebral Palsy
- Chagas Disease
- Chlamydia Infections
- Chorioamnionitis
- Cluster Headache
- Cognition
- Cognition Disorders
- Colitis
- Colorectal Neoplasms
- Coronary Artery Disease
- Coronary Disease
- Crohn Disease
- Cystic Fibrosis

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- Death
- Diabetes Complications
- Diabetes Mellitus
- Diabetic Nephropathies
- Diabetic Neuropathies
- Diabetic Retinopathy
- Disease Progression
- Disease Susceptibility
- Ductus Arteriosus
- Edema
- Erythema Nodosum
- Esophageal Achalasia
- Esophageal Neoplasms
- Esophagitis
- Fetal Membranes
- Fibrosis
- Gastritis
- Genetic Diseases
- Genetic Predisposition to Disease
- Glaucoma
- Glioblastoma
- Glioma
- Glucosephosphate Dehydrogenase Deficiency
- Guillain-Barre Syndrome
- Helicobacter Infections
- Hepatitis

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- Hepatitis C
- HIV Infections
- Hypersensitivity
- Hypertension
- Infant
- Inflammation
- Inflammatory Bowel Diseases
- Intracranial Aneurysm
- Kidney Diseases
- Kidney Failure
- Leukemia
- Lewy Body Disease
- Liver Cirrhosis
- Lung Neoplasms
- Lupus Erythematosus
- Lymphoma
- Macular Degeneration
- Maduromycosis
- Malaria
- Melanoma
- Meningeal Neoplasms
- Meningioma
- Mental Disorders
- Metabolic Syndrome X
- Migraine Disorders
- Mucocutaneous Lymph Node Syndrome

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- Multiple Sclerosis
- Myocardial Ischemia
- Nasal Polyps
- Neoplasms
- Neovascularization
- Nephritis
- Neuropsychological Tests
- Obesity
- Obstetric Labor
- Occupational Diseases
- Osteomyelitis
- Osteoporosis
- Otitis Media
- Ovarian cancer
- Ovarian Neoplasms
- Pain
- Papillomavirus Infections
- Parasitemia
- Parkinson Disease
- Pneumococcal Infections
- Postoperative Complications
- Precancerous Conditions
- Pre-Eclampsia
- Premature Birth
- Priapism

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- Prostate cancer
- Prostatic Neoplasms
- Psoriasis
- Pulmonary Disease
- Purpura
- Radiation Injuries
- Radiation Pneumonitis
- Recurrence
- Respiratory Syncytial Virus Infections
- Sarcoidosis
- Scleroderma
- Sickle Cell Trait
- Silicosis
- Skin Neoplasms
- Spinal Dysraphism
- Stomach Neoplasms
- Stroke
- Temporal Arteritis
- Thalassemia
- Trachoma
- Tuberculosis
- Urinary Bladder Neoplasms
- Urologic Neoplasms
- Uterine Cervical Neoplasms
- Viremia
- Werner syndrome

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