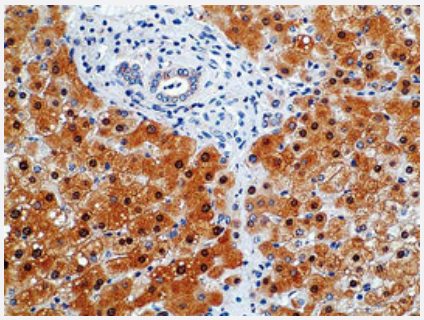
NOS2 monoclonal antibody, clone K13-A

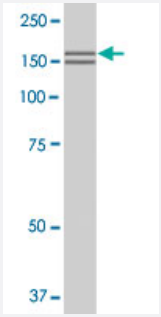
Catalog # MAB1627 Size 100 uL

Applications



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

Formalin-fixed and paraffin-embedded human liver tissue (4 um) stained with NOS2 monoclonal antibody, clone K13-A (Cat # MAB1627) shows strong positive immunostaining of hepatocytes. Kindly performed and provided by Katarina Poliakova, MD and Lubomir Straka, MD, Ph. D. from Clinical Pathology Presov, Ltd., Presov, Slovak republic.



Western Blot (Tissue lysate)

NOS2 monoclonal antibody, clone K13-A (Cat # MAB1627). Western blot of NOS2 in mouse brain crude lysate (50 ug of protein loaded).

Specification

Product Description	Rabbit monoclonal antibody raised against synthetic peptide of NOS2.
Immunogen	A synthetic peptide corresponding to human NOS2.
Host	Rabbit
Reactivity	Human, Mouse, Rat
Form	Liquid
Isotype	IgG
Quality Control Testing	Antibody Reactive Against Synthetic Peptide.

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Recommend Usage	Western Blot (1:2000) ELISA (1:20000-1:50000) The optimal working dilution should be determined by the end user.
Storage Buffer	In 20 mM Tris-HCl, pH 8.0 (10 mg/mL BSA, 0.05% sodium azide)
Storage Instruction	Store at 4°C.
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 and paraffin-embedded human liver tissue (4 um) stained with NOS2 monoclonal antibody, clone K13-A (Cat # MAB1627) shows strong positive immunostaining of hepatocytes. Kindly performed and provided by Katarina Poliakova, MD and Lubomir Straka, MD, Ph. D. from Clinical Pathology Presov, Ltd., Presov, Slovak republic.

- Immunohistochemistry (Frozen sections)
- Enzyme-linked Immunoabsorbent Assay
- Immunoprecipitation
- Western Blot (Tissue lysate)

  NOS2 monoclonal antibody, clone K13-A (Cat # MAB1627). Western blot of NOS2 in mouse brain crude lysate (50 ug of protein loaded).

Gene Info — NOS2

Entrez GeneID	4843
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

Publication Reference

- Automated Synthesis and Initial Evaluation of (4'-Amino-5',8'-difluoro-1'H-spiro[piperidine-4,2'-quinazolin]-1-yl)(4-[18 F]fluorophenyl)methanone for PET/MR Imaging of Inducible Nitric Oxide Synthase.

  Skye Hsin-Hsien Yeh, Wen-Sheng Huang, Chuang-Hsin Chiu, Chuan-Lin Chen, Hui-Ting Chen, Dae Yoon Chi, Zhengxing Ge, Tsung-Hsun Yu, Pao-Yeh Wang, Yu-Yeh Kuo, Chun-Tse Hung, Geng-Ying Li, Chi-Wei Chang.

  Molecular Imaging 2021 Jul; 2021:9996125.

  Application: IHC-P, Mouse, Mouse brain

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

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- Anemia
- Angina
- Angina Pectoris
- Arthritis
- Asthma
- Autistic Disorder
- 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

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- Cognition Disorders
- Colitis
- Colorectal Neoplasms
- Coronary Artery Disease
- Coronary Disease
- Crohn Disease
- Cystic Fibrosis
- 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

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- Glaucoma
- Glioblastoma
- Glioma
- Glucosephosphate Dehydrogenase Deficiency
- Guillain-Barre Syndrome
- Helicobacter Infections
- Hepatitis
- 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

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- Melanoma
- Meningeal Neoplasms
- Meningioma
- Mental Disorders
- Metabolic Syndrome X
- Migraine Disorders
- Mucocutaneous Lymph Node Syndrome
- 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

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- Pneumococcal Infections
- Postoperative Complications
- Precancerous Conditions
- Pre-Eclampsia
- Premature Birth
- Priapism
- 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

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- Tuberculosis
- Urinary Bladder Neoplasms
- Urologic Neoplasms
- Uterine Cervical Neoplasms
- Viremia
- Werner syndrome

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