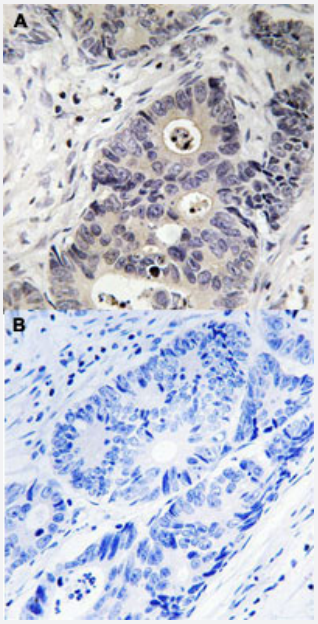
# NOS2 (phospho Y151) polyclonal antibody

Catalog # PAB29225 Size 100 uL

## Applications




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

Immunohistochemical staining of human colon carcinoma tissue by NOS2 (phospho Y151) polyclonal antibody (Cat # PAB29225) without blocking peptide (A) or preincubated with blocking peptide (B) under 1:50-1:100 dilution.

## Specification

| | |
|---|---|
| **Product Description** | Rabbit polyclonal antibody raised against synthetic phosphopeptide of human NOS2. |
| **Immunogen** | Synthetic phosphopeptide (conjugated with KLH) corresponding to residues surrounding Y151 of human NOS2. |
| **Host** | Rabbit |
| **Theoretical MW (kDa)** | 131 |
| **Reactivity** | Human, Mouse |
| **Specificity** | This antibody detects endogenous levels of NOS2 only when phosphorylated at tyrosine 151. |
| **Form** | Liquid |

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| | |
|---|---|
| **Purification** | Affinity purification |
| **Recommend Usage** | Immunohistochemistry (1:50-1:100)<br>The optimal working dilution should be determined by the end user. |
| **Storage Buffer** | In PBS, pH 7.4 (without $Mg^{2+}$ and $Ca^{2+}$), (50% glycerol, 0.02% sodium azide) |
| **Storage Instruction** | Store at -20°C.<br>Avoid repeated freezing and thawing. |

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## 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 |
| **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)

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- 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
- Barrett Esophagus
- Behcet Syndrome
- beta-Thalassemia
- Biliary Tract Neoplasms
- Birth Weight
- Brain Infarction
- Brain Ischemia
- Brain Neoplasms

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- 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
- Death
- Diabetes Complications
- Diabetes Mellitus
- Diabetic Nephropathies
- Diabetic Neuropathies
- Diabetic Retinopathy
- Disease Progression
- Disease Susceptibility

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- 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
- Hepatitis C
- HIV Infections
- Hypersensitivity
- Hypertension
- Infant
- Inflammation
- Inflammatory Bowel Diseases
- Intracranial Aneurysm

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- 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
- Multiple Sclerosis
- Myocardial Ischemia
- Nasal Polyps
- Neoplasms
- Neovascularization
- Nephritis
- Neuropsychological Tests
- Obesity

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- 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
- Prostate cancer
- Prostatic Neoplasms
- Psoriasis
- Pulmonary Disease
- Purpura
- Radiation Injuries
- Radiation Pneumonitis
- Recurrence

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- 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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