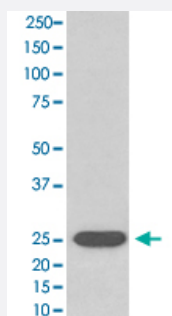


SOD2 monoclonal antibody, clone IDO-19

Catalog # MAB20727 Size 100 uL

Applications



Western Blot (Cell lysate)

Western Blot analysis of rat brain tissue lysate with SOD2 monoclonal antibody, clone IDO-19 (Cat # MAB20727).

Specification

Product Description Rabbit monoclonal antibody raised against synthetic peptide of human SOD2.

Immunogen A synthetic peptide corresponding to human SOD2.

Host Rabbit

Theoretical MW (kDa) 24.722

Reactivity Human

Form Liquid

Purification Affinity purification

Isotype IgG

Recommend Usage Immunohistochemistry (1:50-1:200)
Western Blot (1:500-1:2000)
The optimal working dilution should be determined by the end user.

Storage Buffer In PBS, 150 mM NaCl, pH 7.4 (50% glycerol, 0.02% sodium azide).

Storage Instruction

Store at -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.

Note

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Western Blot analysis of rat brain tissue lysate with SOD2 monoclonal antibody, clone IDO-19 (Cat # MAB20727).

- Immunohistochemistry

Gene Info — SOD2

Entrez GeneID[6648](#)**Protein Accession#**[P04179](#)**Gene Name**

SOD2

Gene Alias

IPO-B, MNSOD, Mn-SOD

Gene Description

superoxide dismutase 2, mitochondrial

Omim ID[147460](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

This gene is a member of the iron/manganese superoxide dismutase family. It encodes a mitochondrial protein that forms a homotetramer and binds one manganese ion per subunit. This protein binds to the superoxide byproducts of oxidative phosphorylation and converts them to hydrogen peroxide and diatomic oxygen. Mutations in this gene have been associated with idiopathic cardiomyopathy (IDC), premature aging, sporadic motor neuron disease, and cancer. Alternate transcriptional splice variants, encoding different isoforms, have been characterized. [provided by RefSeq]

Other Designations

Mn superoxide dismutase|OTTHUMP00000017530|OTTHUMP00000017531|indophenoloxidase B|manganese superoxide dismutase|manganese-containing superoxide dismutase|mangano-superoxide dismutase

Disease

- [Acute Disease](#)
- [Adenocarcinoma](#)
- [Akathisia](#)
- [Albuminuria](#)
- [Alcoholism](#)
- [Alzheimer disease](#)
- [Amphetamine-Related Disorders](#)
- [Angina Pectoris](#)
- [Arsenic Poisoning](#)
- [Arthritis](#)
- [Asbestosis](#)
- [Asthma](#)
- [Ataxia telangiectasia](#)
- [Atherosclerosis](#)
- [Barrett Esophagus](#)
- [Behcet Syndrome](#)
- [Biliary Tract Neoplasms](#)
- [Bipolar Disorder](#)
- [Birth Weight](#)
- [Brain Neoplasms](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Bronchial Hyperreactivity](#)
- [Calcinosis](#)
- [Carcinoma](#)
- [Cardiomyopathies](#)

- [Cardiovascular Diseases](#)
- [Carotid Artery Diseases](#)
- [Cervical Intraepithelial Neoplasia](#)
- [Choroid Diseases](#)
- [Chromosome Aberrations](#)
- [Chronic Disease](#)
- [Cocarcinogenesis](#)
- [Cognition](#)
- [Colitis](#)
- [Colorectal Neoplasms](#)
- [Coronary Artery Disease](#)
- [Coronary Disease](#)
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- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Diabetic Angiopathies](#)
- [Diabetic Nephropathies](#)
- [Diabetic Neuropathies](#)
- [Diabetic Retinopathy](#)
- [Disease Progression](#)
- [DNA Damage](#)
- [Drug Toxicity](#)
- [Drug-Induced Liver Injury](#)
- [Dyskinesia](#)
- [Edema](#)
- [Esophageal Neoplasms](#)

- [Esophagitis](#)
- [Exfoliation Syndrome](#)
- [Fatty Liver](#)
- [Fibrosis](#)
- [Genetic Predisposition to Disease](#)
- [Glaucoma](#)
- [Glioblastoma](#)
- [Glioma](#)
- [Glomerulonephritis](#)
- [Glucose Intolerance](#)
- [Head and Neck Neoplasms](#)
- [Hearing Loss](#)
- [Helicobacter Infections](#)
- [Hemochromatosis](#)
- [Hepatitis](#)
- [Hepatitis C](#)
- [Hereditary hemochromatosis](#)
- [Hypercholesterolemia](#)
- [Hypertension](#)
- [Infertility](#)
- [Inflammation](#)
- [Insulin Resistance](#)
- [Iron Overload](#)
- [Kidney Failure](#)
- [Laryngeal Neoplasms](#)

- [Leber hereditary optic neuropathy](#)
- [Leukemia](#)
- [Liver Cirrhosis](#)
- [Liver Diseases](#)
- [Liver Neoplasms](#)
- [Lung Neoplasms](#)
- [Lupus Erythematosus](#)
- [Lymphoma](#)
- [Macular Degeneration](#)
- [Macular Edema](#)
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- [Meningioma](#)
- [Mesothelioma](#)
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- [Mouth Neoplasms](#)
- [Movement Disorders](#)
- [Multiple Chemical Sensitivity](#)
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- [Pancreatic cancer](#)
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- [Stroke](#)
- [Substance-Related Disorders](#)
- [Syndrome](#)
- [Tobacco Use Disorder](#)
- [Urinary Bladder Neoplasms](#)
- [Urolithiasis](#)
- [Uterine Cervical Neoplasms](#)
- [Uveitis](#)
- [Varicocele](#)
- [Weight Gain](#)
- [Werner syndrome](#)