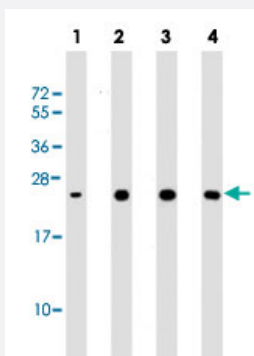


SOD2 monoclonal antibody, clone 37CT127.5.11.6

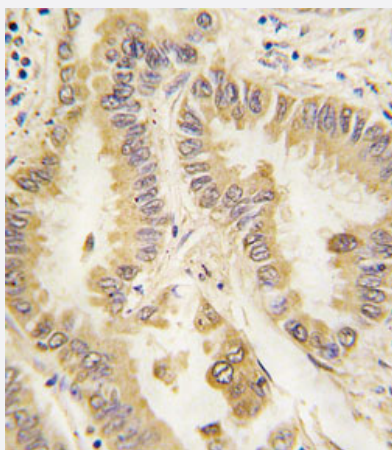
Catalog # MAB12323 Size 400 uL

Applications



Western Blot

Western blot analysis of Lane 1: Hela whole cell lysates Lane 2: human brain lysates Lane 3: human heart lysates Lane 4: human liver lysates reacted with SOD2 monoclonal antibody (Cat # MAB12323) at 1:2000 dilution.



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

Immunohistochemical staining of formalin-fixed and paraffin-embedded human lung carcinoma tissue reacted with SOD2 monoclonal antibody (Cat # MAB12323) at 1:10-1:50 dilution.

Specification

Product Description	Mouse monoclonal antibody raised against partial recombinant human SOD2.
Immunogen	Recombinant His fusion protein corresponding to human SOD2.
Host	Mouse
Reactivity	Human
Form	Liquid

Purification	Protein G purification
Isotype	IgG1, kappa
Recommend Usage	Immunohistochemistry (1:10-1:50) Western Blot (1:2000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% 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 should be handled by trained staff only.

Applications

- Western Blot

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Gene Info — SOD2

Entrez GeneID	6648
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|indophenoxidase 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](#)
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- [Glaucoma](#)
- [Glioblastoma](#)
- [Glioma](#)
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- [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](#)
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- [Macular Edema](#)
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- [Mouth Neoplasms](#)
- [Movement Disorders](#)
- [Multiple Chemical Sensitivity](#)

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- [Ovarian Neoplasms](#)
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- [Pancreatitis](#)
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- [Poisoning](#)
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- [Pre-Eclampsia](#)
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- [Prostatic Neoplasms](#)
- [Prostatitis](#)
- [Pseudoxanthoma Elasticum](#)

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- [Psychoses](#)
- [Pulmonary Disease](#)
- [Radiation Injuries](#)
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- [Stroke](#)
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- [Syndrome](#)
- [Tobacco Use Disorder](#)
- [Urinary Bladder Neoplasms](#)
- [Urolithiasis](#)
- [Uterine Cervical Neoplasms](#)
- [Uveitis](#)
- [Varicocele](#)
- [Weight Gain](#)
- [Werner syndrome](#)