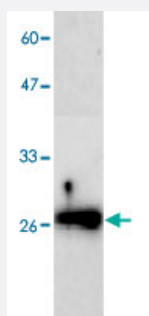


SOD2 monoclonal antibody, clone 18

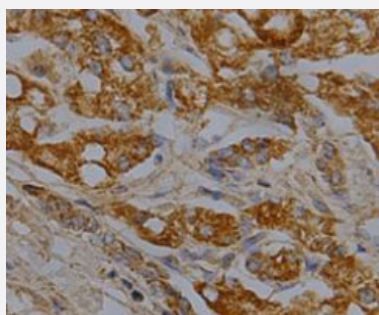
Catalog # MAB9892 Size 100 ug

Applications



Western Blot (Cell lysate)

Western blot analysis of HEK 293T whole cell lysate with SOD2 monoclonal antibody, clone 18 (Cat # MAB9892).



Immunohistochemistry

Immunohistochemical staining of human liver cancer tissue section with SOD2 monoclonal antibody, clone 18 (Cat # MAB9892) at 1:100 dilution.

Specification

Product Description	Mouse monoclonal antibody raised against full length recombinant SOD2.
Immunogen	Recombinant protein corresponding to full length human SOD2.
Host	Mouse
Reactivity	Human
Specificity	It can expression in TRE293 whole cell lysate.
Form	Liquid
Purification	Affinity purification

Isotype	IgG1
Recommend Usage	Western blot (1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In Citrate-Tris-HCl buffer, pH 7.0 (0.02% Proclin 300)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Cell lysate)

Western blot analysis of HEK 293T whole cell lysate with SOD2 monoclonal antibody, clone 18 (Cat # MAB9892).

- Immunohistochemistry

Immunohistochemical staining of human liver cancer tissue section with SOD2 monoclonal antibody, clone 18 (Cat # MAB9892) at 1:100 dilution.

- Enzyme-linked Immunoabsorbent Assay

Gene Info — SOD2

Entrez GeneID	6648
GeneBank Accession#	NM_000636.2
Protein Accession#	NP_000627.2
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](#)
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- [Chromosome Aberrations](#)
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- [Cocarcinogenesis](#)
- [Cognition](#)
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- [Diabetic Retinopathy](#)
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- [Drug-Induced Liver Injury](#)
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- [Edema](#)
- [Esophageal Neoplasms](#)
- [Esophagitis](#)
- [Exfoliation Syndrome](#)
- [Fatty Liver](#)
- [Fibrosis](#)
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- [Glaucoma](#)
- [Glioblastoma](#)
- [Glioma](#)
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- [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](#)
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- [Liver Diseases](#)
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- [Urinary Bladder Neoplasms](#)
- [Urolithiasis](#)
- [Uterine Cervical Neoplasms](#)
- [Uveitis](#)
- [Varicocele](#)
- [Weight Gain](#)
- [Werner syndrome](#)