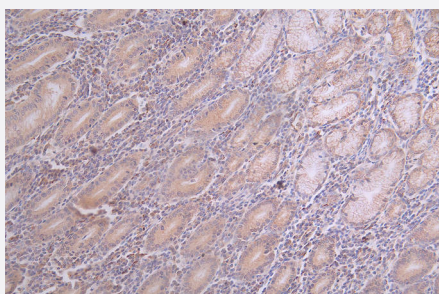


RecomAb™

SOD2 recombinant monoclonal antibody, clone 23G5

Catalog # RAB07774 Size 100 uL

Applications



Immunohistochemistry

Immunohistochemistry image of SOD2 recombinant monoclonal antibody, clone 23G5 diluted at 1:50 and staining in paraffin-embedded human breast cancer performed on a Leica Bond™ system.

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human SOD2.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic peptide corresponding to human SOD2.
Reactivity	Human
Form	Liquid
Purification	Affinity chromatography purification
Isotype	IgG
Recommend Usage	ELISA Immunohistochemistry(1:50-1:200) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH7.4 (150 mM NaCl, 0.02% sodium azide and 50% glycerol)
Storage Instruction	Store at -20°C or -80°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

- Immunohistochemistry

Immunohistochemistry image of SOD2 recombinant monoclonal antibody, clone 23G5 diluted at 1:50 and staining in paraffin-embedded human breast cancer performed on a Leica BondTM system.

- Enzyme-linked Immunoabsorbent Assay

Gene Info — SOD2

Entrez GeneID	6648
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Protein Accession#	P04179
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Gene Name	SOD2
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Gene Alias	IPO-B, MNSOD, Mn-SOD
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Gene Description	superoxide dismutase 2, mitochondrial
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Omim ID	147460
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Gene Ontology	Hyperlink
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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]
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Other Designations	Mn superoxide dismutase OTTHUMP00000017530 OTTHUMP00000017531 indophenoxidase B manganese superoxide dismutase manganese-containing superoxide dismutase mangano-superoxide dismutase
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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](#)
- [Dermatitis](#)
- [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](#)
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- [Multiple Chemical Sensitivity](#)
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- [Pancreatic Neoplasms](#)

- [Pancreatitis](#)
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- [Precancerous Conditions](#)
- [Pre-Eclampsia](#)
- [Pregnancy Complications](#)
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- [Prostatic Neoplasms](#)
- [Prostatitis](#)
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- [Radiation Injuries](#)
- [Raynaud Disease](#)
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- [Schizophrenic Psychology](#)
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- [Skin Neoplasms](#)

- [Spondylitis](#)
- [Stomach Neoplasms](#)
- [Stroke](#)
- [Substance-Related Disorders](#)
- [Syndrome](#)
- [Tobacco Use Disorder](#)
- [Urinary Bladder Neoplasms](#)
- [Urolithiasis](#)
- [Uterine Cervical Neoplasms](#)
- [Uveitis](#)
- [Varicocele](#)
- [Weight Gain](#)
- [Werner syndrome](#)