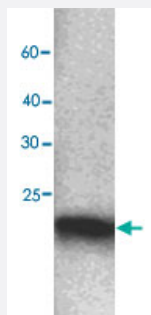


SOD1 monoclonal antibody, clone 24

Catalog # MAB8861 Size 100 uL

Applications



Western Blot (Cell lysate)

Western blot analysis in HeLa whole cell lysate with SOD1 monoclonal antibody, clone 24 (Cat # MAB8861) at 1 : 1000 dilution.

Specification

Product Description Mouse monoclonal antibody raised against full length recombinant SOD1.

Amount 100 uL

Immunogen Recombinant protein corresponding to full length human SOD1.

Host Mouse

Reactivity Human

Specificity This antibody recognizes SOD1 expression in Hela whole cell lysate.

Form Liquid

Purification Affinity purification

Concentration 1 ug/uL

Isotype IgG1

Recommend Usage
ELISA
Western Blot (1:1000)
The optimal working dilution should be determined by the end user.

Storage Buffer

In citrate-Tris-HCl buffer, pH7.0 (0.02% Proclin 300).

Storage Instruction

Store at 4°C as an undiluted liquid is stable for several weeks. For extended storage, store at -20°C or below.
Aliquot to avoid repeated freezing and thawing. Dilute only prior to immediate use.

Applications

- Western Blot (Cell lysate)

Western blot analysis in HeLa whole cell lysate with SOD1 monoclonal antibody, clone 24 (Cat # MAB8861) at 1 : 1000 dilution.

- Enzyme-linked Immunoabsorbent Assay

Gene Info — SOD1

Entrez GeneID

[6647](#)

Protein Accession#

[NM_000454.4](#)

Gene Name

SOD1

Gene Alias

ALS, ALS1, IPOA, SOD, homodimer

Gene Description

superoxide dismutase 1, soluble

Omim ID

[105400 147450](#)

Gene Ontology

[Hyperlink](#)

Gene Summary

The protein encoded by this gene binds copper and zinc ions and is one of two isozymes responsible for destroying free superoxide radicals in the body. The encoded isozyme is a soluble cytoplasmic protein, acting as a homodimer to convert naturally-occurring but harmful superoxide radicals to molecular oxygen and hydrogen peroxide. The other isozyme is a mitochondrial protein. Mutations in this gene have been implicated as causes of familial amyotrophic lateral sclerosis. Rare transcript variants have been reported for this gene. [provided by RefSeq]

Other Designations

Cu /Zn superoxide dismutase|Cu/Zn superoxide dismutase|SOD, soluble|indophenoxidase A|superoxide dismutase, cytosolic

Pathway

- [Amyotrophic lateral sclerosis \(ALS\)](#)

- [Prion diseases](#)

Disease

- [Acute Disease](#)
- [Albuminuria](#)
- [Alzheimer disease](#)
- [Amyotrophic lateral sclerosis](#)
- [Auditory Threshold](#)
- [Barrett Esophagus](#)
- [Birth Weight](#)
- [Brain Neoplasms](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Chronic Disease](#)
- [Cognition](#)
- [Cognition Disorders](#)
- [Coronary Artery Disease](#)
- [Dementia](#)
- [Diabetes Mellitus](#)
- [Diabetic Angiopathies](#)
- [Diabetic Nephropathies](#)
- [Diabetic Retinopathy](#)
- [Disease Progression](#)
- [DNA Damage](#)

- [Edema](#)
- [Encephalitis](#)
- [Genetic Predisposition to Disease](#)
- [Glioblastoma](#)
- [Glioma](#)
- [Hearing Loss](#)
- [Hemorrhage](#)
- [Hepatitis](#)
- [Hypercholesterolemia](#)
- [Keratoconus](#)
- [Kidney Failure](#)
- [Leukemia](#)
- [Liver Cirrhosis](#)
- [Lung Neoplasms](#)
- [Lymphoma](#)
- [Meningeal Neoplasms](#)
- [Meningioma](#)
- [Motor Neuron Disease](#)
- [Multiple Sclerosis](#)
- [Nerve Degeneration](#)
- [Neuroblastoma](#)
- [Neuropsychological Tests](#)
- [Occupational Diseases](#)
- [Ovarian cancer](#)
- [Pre-Eclampsia](#)
- [Prostate cancer](#)

- [Prostatic Neoplasms](#)
- [Pulmonary Disease](#)
- [Reaction Time](#)
- [Schizophrenia](#)
- [Schizophrenic Psychology](#)
- [Sensory Thresholds](#)
- [Urinary Bladder Neoplasms](#)
- [Urologic Diseases](#)
- [Weight Gain](#)
- [Werner syndrome](#)