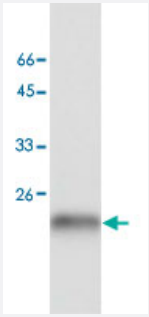
SOD1 monoclonal antibody, clone 24

Catalog # MAB9887 Size 100 ug

Applications



Western Blot (Cell lysate)

Western blot analysis of HeLa whole cell lystae with SOD1 monoclonal antibody, clone 24 (Cat # MAB9887) at 1:500 dilution.

Specification

Product Description	Mouse monoclonal antibody raised against full length recombinant SOD1.
Immunogen	Recombinant protein corresponding to full length human SOD1.
Host	Mouse
Reactivity	Human
Specificity	It can expression in HeLa 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.

Copyright © 2023 Abnova Corporation. All Rights Reserved.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Cell lysate)

  Western blot analysis of HeLa whole cell lystae with SOD1 monoclonal antibody, clone 24 (Cat # MAB9887) at 1:500 dilution.

Gene Info — SOD1

Entrez GeneID	6647
GeneBank Accession#	NM_000454.4
Protein Accession#	NP_000445.1
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-occuring 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|indophenoloxidase A|superoxide dismutase, cystolic

Pathway

- Amyotrophic lateral sclerosis (ALS)
- Prion diseases

Copyright © 2023 Abnova Corporation. All Rights Reserved.

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

Copyright © 2023 Abnova Corporation. All Rights Reserved.

- 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

Copyright © 2023 Abnova Corporation. All Rights Reserved.

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

Copyright © 2023 Abnova Corporation. All Rights Reserved.