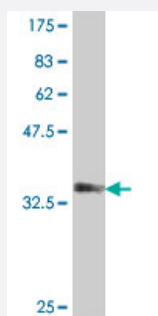


SOD3 polyclonal antibody (A01)

Catalog # H00006649-A01

Size 50 uL

Applications



Western Blot detection against Immunogen (37 KDa) .

Specification

Product Description	Mouse polyclonal antibody raised against a partial recombinant SOD3.
Immunogen	SOD3 (AAH14418, 26 a.a. ~ 125 a.a) partial recombinant protein with GST tag.
Sequence	EPNSDSAIEWIRDMYAKVTEWQEVMQRRDDDGTLHAACQVQPSATLDAAQPRVTGVVLFRLA PRAKLDAFFALEGFPTEPNSSSRAIHVHQFGDLSQGC
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (62); Rat (57)
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (37 KDa) .
Storage Buffer	50 % glycerol
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

Gene Info — SOD3

Entrez GeneID [6649](#)

GeneBank Accession# [BC014418](#)

Protein Accession# [AAH14418](#)

Gene Name SOD3

Gene Alias EC-SOD, MGC20077

Gene Description superoxide dismutase 3, extracellular

Omim ID [185490](#)

Gene Ontology [Hyperlink](#)

Gene Summary This gene encodes a member of the superoxide dismutase (SOD) protein family. SODs are antioxidant enzymes that catalyze the dismutation of two superoxide radicals into hydrogen peroxide and oxygen. The product of this gene is thought to protect the brain, lungs, and other tissues from oxidative stress. The protein is secreted into the extracellular space and forms a glycosylated homotetramer that is anchored to the extracellular matrix (ECM) and cell surfaces through an interaction with heparan sulfate proteoglycan and collagen. A fraction of the protein is cleaved near the C-terminus before secretion to generate circulating tetramers that do not interact with the ECM. [provided by RefSeq]

Other Designations OTTHUMP00000158715

Disease

- [Acute Lung Injury](#)
- [Alzheimer disease](#)
- [Arthritis](#)
- [Asbestosis](#)
- [Atherosclerosis](#)

- [Behcet Syndrome](#)
- [Birth Weight](#)
- [Brain Neoplasms](#)
- [Bronchial Hyperreactivity](#)
- [Calcinosis](#)
- [Cardiovascular Diseases](#)
- [Cerebral Infarction](#)
- [Chorioamnionitis](#)
- [Cognition](#)
- [Coronary Artery Disease](#)
- [Diabetes Mellitus](#)
- [Diabetic Neuropathies](#)
- [Edema](#)
- [Fetal Growth Retardation](#)
- [Fetal Membranes](#)
- [Genetic Predisposition to Disease](#)
- [Glioblastoma](#)
- [Glioma](#)
- [Hypertension](#)
- [Insulin Resistance](#)
- [Kidney Failure](#)
- [Leukemia](#)
- [Lung Neoplasms](#)
- [Lymphoma](#)
- [Meningeal Neoplasms](#)
- [Meningioma](#)

- [Myocardial Infarction](#)
- [Obstetric Labor](#)
- [Occupational Diseases](#)
- [Ovarian cancer](#)
- [Pre-Eclampsia](#)
- [Premature Birth](#)
- [Prostate cancer](#)
- [Prostatic Neoplasms](#)
- [Pulmonary Disease](#)
- [Pulmonary Emphysema](#)
- [Urinary Bladder Neoplasms](#)
- [Werner syndrome](#)