

Cat. No:	MAB-94600
Size:	100 ug
Clone:	SO-F
Concentration:	1mg/ml
Host:	Rb
Isotype:	IgG
Immunogen:	A synthesized peptide derived from human SOD1
Reactivity:	Hu, Rt, Ms
Applications:	Western Blot: 1:500 – 1:2000
Molecular Weight:	16kDa
Purification:	Aff. Pur.
Synonyms:	ALS; ALS1; HEL-S-44; IPOA; SOD; hSod1; homodimer

Background:

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.

Form:

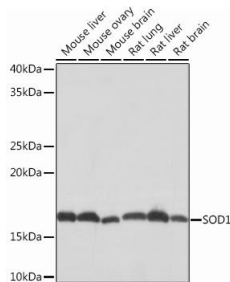
Liquid

Buffer:

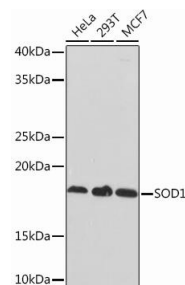
PBS with 0.02% sodium azide,0.05% BSA,50% glycerol,pH7.3.

Storage:

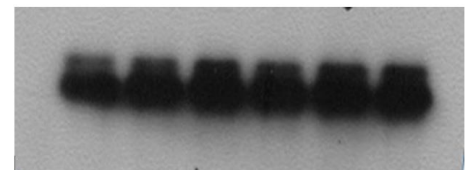
Store at -20°C. Avoid freeze / thaw cycles.



Western blot analysis of extracts of various cell lines, using SOD1 Rabbit mAb at 1:1000 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution.
Lysates/proteins: 25ug per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL West Pico Plus.
Exposure time: 1s.



Western blot analysis of extracts of various cell lines, using SOD1 Rabbit mAb at 1:1000 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution.
Lysates/proteins: 25ug per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL West Pico Plus.
Exposure time: 10s.



Review for SOD1 Rabbit mAb
Experiment Type Western blot(WB)

References

References for SOD1 Rabbit mAb

Product:SOD1 Rabbit mAb

Journal:VIRUSES-BASEL

Application:WB

IF:3.464

Species:Homo sapiens

PMID:26761025

Title:The Influenza Virus H5N1 Infection Can Induce ROS Production for Viral Replication and Host Cell Death in A549 Cells Modulated by Human Cu/Zn Superoxide Dismutase (SOD1) Overexpression

References for SOD1 Rabbit mAb

Product:SOD1 Rabbit mAb

Journal:Journal of Surgical Research

Application:WB

IF:2.188

Species:Mus musculus

PMID:29605032

Title:GY4137 protects against myocardial ischemia/reperfusion injury via activation of the PHLPP-1/Akt/Nrf2 signaling pathway in diabetic mice

References for SOD1 Rabbit mAb

Product:SOD1 Rabbit mAb

Journal:Pharmacological research

Application:WB

IF:4.89

Species:Mus musculus

PMID:30986544

Title:LongShengZhi Capsule reduces carrageenan-induced thrombosis by reducing activation of platelets and endothelial cells.

References for SOD1 Rabbit mAb

Product:SOD1 Rabbit mAb

Journal:Molecular carcinogenesis

Application:WB, Co-IP

IF:3.85

Species:Mus musculus

PMID:31066116

Title:MARVELD1 interacting with catalase regulates reactive oxygen species metabolism and mediates the sensitivity to chemotherapeutic drugs in epithelial tumors of the reproductive system.

References for SOD1 Rabbit mAb

Product:SOD1 Rabbit mAb

Journal:Mediators of Inflammation

Application:WB

IF:3.54

Species:Bos taurus

PMID:31011285

Title:The Differential Expression of Mitochondrial Function-Associated Proteins and Antioxidant Enzymes during Bovine Herpesvirus 1 Infection: A Potential Mechanism for Virus Infection-Induced Oxidative Mitochondrial Dysfunction

References for SOD1 Rabbit mAb

Product: SOD1 Rabbit mAb

Journal: Saudi Pharmaceutical Journal : SPJ : the Official Publication of the Saudi Pharmaceutical Society

Application:WB:

IF:3.64

Species:Rattus norvegicus

PMID: 32273812

Title: Liraglutide attenuates gefitinib-induced cardiotoxicity and promotes cardioprotection through the regulation of MAPK/NF- κ B signaling pathways

References for SOD1 Rabbit mAb

Product:SOD1 Rabbit mAb

Journal:FASEB journal : official publication of the Federation of American Societies for Experimental Biology

Application:WB

IF:5.39

Species:Mus musculus

PMID:31690123

Title:The classic metal-sensing transcription factor MTF1 promotes myogenesis in response to copper

References for SOD1 Rabbit mAb

Product:SOD1 Rabbit mAb

Journal:Drug Design Development and Therapy

Application:WB

IF:3.208

Species:us musculus

PMID:30863013

Title:Maresin 1 mitigates renal ischemia/reperfusion injury in mice via inhibition of the TLR4/MAPK/NF- κ B pathways and activation of the Nrf2 pathway.

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