

Resource Summary Report

Generated by [RRID](#) on Aug 6, 2026

SOD2 antibody

RRID:AB_300434

Type: Antibody

Proper Citation

Abcam Cat# ab13533, RRID:AB_300434

Antibody Information

URL: http://antibodyregistry.org/AB_300434

Proper Citation: Abcam Cat# ab13533, RRID:AB_300434

Target Antigen: SOD2 antibody

Host Organism: rabbit

Clonality: polyclonal

Comments: validation status unknown, seller recommendations provided in 2012: Immunohistochemistry - fixed; Immunofluorescence; Immunohistochemistry; ELISA; Immunohistochemistry - frozen; Immunoprecipitation; Western Blot; Immunocytochemistry; ELISA, ICC/IF, IHC-Fr, IHC-P, IP, WB

Antibody Name: SOD2 antibody

Description: This polyclonal targets SOD2 antibody

Target Organism: chicken, monkey, rat, hamster, xenopusamphibian, porcine, canine, cow, pig, mouse, chickenbird, gerbil, rabbit, bovine, human, dog, sheep

Antibody ID: AB_300434

Vendor: Abcam

Catalog Number: ab13533

Record Creation Time: 20250820T062900+0000

Record Last Update: 20250821T001419+0000

Ratings and Alerts

No rating or validation information has been found for SOD2 antibody.

No alerts have been found for SOD2 antibody.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 26 mentions in open access literature.

Listed below are recent publications. The full list is available at [RRID](#) .

Chemla A, et al. (2025) Parkinson's disease mutant Miro1 causes mitochondrial dysfunction and dopaminergic neuron loss. *Brain : a journal of neurology*.

Kyriakopoulou E, et al. (2025) EPAS1 induction drives myocardial degeneration in desmoplakin-cardiomyopathy. *iScience*, 28(3), 111895.

Drenjan?evi? I, et al. (2025) Variability in flow-induced vasodilation mechanisms in cerebral arteries: the impact of different hyperbaric oxygen protocols. *Medical gas research*, 15(3), 383.

Borbényi-Galambos K, et al. (2025) Realigned transsulfuration drives BRAF-V600E-targeted therapy resistance in melanoma. *Cell metabolism*, 37(5), 1171.

Affortit C, et al. (2024) The human OPA1delTTAG mutation induces adult onset and progressive auditory neuropathy in mice. *Cellular and molecular life sciences : CMLS*, 81(1), 80.

Lin YT, et al. (2024) Targeting acetylated high mobility group box 1 protein (HMGB1) and toll-like receptor (TLR4) interaction to alleviate hypertension and neuroinflammation in fructose-fed rats. *British journal of pharmacology*.

Hulett NA, et al. (2023) Sex Differences in the Skeletal Muscle Response to a High Fat, High Sucrose Diet in Rats. *Nutrients*, 15(20).

Affortit C, et al. (2022) A disease-associated mutation in thyroid hormone receptor ?1 causes hearing loss and sensory hair cell patterning defects in mice. *Science signaling*, 15(738), eabj4583.

Khan M, et al. (2022) Neuroprotective effects of Alda-1 mitigate spinal cord injury in mice: involvement of Alda-1-induced ALDH2 activation-mediated suppression of reactive aldehyde mechanisms. *Neural regeneration research*, 17(1), 185.

Naia L, et al. (2021) Mitochondrial SIRT3 confers neuroprotection in Huntington's disease by regulation of oxidative challenges and mitochondrial dynamics. *Free radical biology & medicine*, 163, 163.

- Suliman H, et al. (2021) Annexin A1 Tripeptide Mimetic Increases Sirtuin-3 and Augments Mitochondrial Function to Limit Ischemic Kidney Injury. *Frontiers in physiology*, 12, 683098.
- Flockhart M, et al. (2021) Excessive exercise training causes mitochondrial functional impairment and decreases glucose tolerance in healthy volunteers. *Cell metabolism*, 33(5), 957.
- Thangaraj A, et al. (2021) HIV TAT-mediated microglial senescence: Role of SIRT3-dependent mitochondrial oxidative stress. *Redox biology*, 40, 101843.
- Vandenberg GG, et al. (2021) Astrocyte-mediated disruption of ROS homeostasis in Fragile X mouse model. *Neurochemistry international*, 146, 105036.
- Caielli S, et al. (2021) Erythroid mitochondrial retention triggers myeloid-dependent type I interferon in human SLE. *Cell*, 184(17), 4464.
- Gratias P, et al. (2021) Impulse Noise Induced Hidden Hearing Loss, Hair Cell Ciliary Changes and Oxidative Stress in Mice. *Antioxidants (Basel, Switzerland)*, 10(12).
- Che H, et al. (2020) p16 deficiency attenuates intervertebral disc degeneration by adjusting oxidative stress and nucleus pulposus cell cycle. *eLife*, 9.
- Villarreal-Ponce A, et al. (2020) Keratinocyte-Macrophage Crosstalk by the Nrf2/Ccl2/EGF Signaling Axis Orchestrates Tissue Repair. *Cell reports*, 33(8), 108417.
- Lozoya OA, et al. (2020) Single Nucleotide Resolution Analysis Reveals Pervasive, Long-Lasting DNA Methylation Changes by Developmental Exposure to a Mitochondrial Toxicant. *Cell reports*, 32(11), 108131.
- Mitchell SJ, et al. (2018) Nicotinamide Improves Aspects of Healthspan, but Not Lifespan, in Mice. *Cell metabolism*, 27(3), 667.