

Resource Summary Report

Generated by [RRID](#) on Sep 8, 2026

Mouse Anti-8 Hydroxyguanosine Monoclonal Antibody, Unconjugated, Clone 15A3

RRID:AB_940049

Type: Antibody

Proper Citation

Abcam Cat# ab62623, RRID:AB_940049

Antibody Information

URL: http://antibodyregistry.org/AB_940049

Proper Citation: Abcam Cat# ab62623, RRID:AB_940049

Target Antigen: 8 Hydroxyguanosine

Host Organism: mouse

Clonality: monoclonal

Comments: validation status unknown, seller recommendations provided in 2012: Affinity purification; ELISA; Immunohistochemistry; Other; Affinity Purification, ELISA, Immunohistochemistry-P

Antibody Name: Mouse Anti-8 Hydroxyguanosine Monoclonal Antibody, Unconjugated, Clone 15A3

Description: This monoclonal targets 8 Hydroxyguanosine

Clone ID: Clone 15A3

Antibody ID: AB_940049

Vendor: Abcam

Catalog Number: ab62623

Record Creation Time: 20231110T042442+0000

Record Last Update: 20260829T120759+0000

Ratings and Alerts

No rating or validation information has been found for Mouse Anti-8 Hydroxyguanosine Monoclonal Antibody, Unconjugated, Clone 15A3.

No alerts have been found for Mouse Anti-8 Hydroxyguanosine Monoclonal Antibody, Unconjugated, Clone 15A3.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 21 mentions in open access literature.

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

Li Z, et al. (2026) A negative regulator of mitochondrial complex I assembly adapts respiration to cellular energy demand. Molecular cell.

Isayama K, et al. (2026) Reduced Akr1b7 signaling drives ovarian aging and reproductive dysfunction. iScience, 29(2), 114719.

Li J, et al. (2026) The role of IGF1 signaling in remote ischemic conditioning-mediated amelioration of Alzheimer's disease pathology and cerebral insulin resistance. Experimental neurology, 400, 115685.

Wagner LE, et al. (2026) A mitochondrial ROS-dependent antiviral response promotes ? cell resilience and is diminished in donors with type 1 diabetes. Science translational medicine, 18(850), eadx7770.

Li L, et al. (2025) ?2 integrin regulates neutrophil trans endothelial migration following traumatic brain injury. Cell communication and signaling : CCS, 23(1), 70.

Chen H, et al. (2025) Intermittent fasting triggers interorgan communication to suppress hair follicle regeneration. Cell, 188(1), 157.

Graff SM, et al. (2024) TALK-1-mediated alterations of ?-cell mitochondrial function and insulin secretion impair glucose homeostasis on a diabetogenic diet. Cell reports, 43(1), 113673.

Debsharma S, et al. (2024) NSAID targets SIRT3 to trigger mitochondrial dysfunction and gastric cancer cell death. iScience, 27(4), 109384.

Feng YY, et al. (2024) Synthetic lethal CRISPR screen identifies a cancer cell-intrinsic role of PD-L1 in regulation of vulnerability to ferroptosis. Cell reports, 43(7), 114477.

Liao W, et al. (2023) Calcaratarin D, a labdane diterpenoid, attenuates mouse asthma via modulating alveolar macrophage function. British journal of pharmacology, 180(8), 1056.

Huang Y, et al. (2023) Pretreatment of the ROS Inhibitor Phenyl-N-tert-butylNitrone Alleviates Sleep Deprivation-Induced Hyperalgesia by Suppressing Microglia Activation and NLRP3 Inflammasome Activity in the Spinal Dorsal Cord. *Neurochemical research*, 48(1), 305.

Navas-Madroñal M, et al. (2023) Targeting mitochondrial stress with Szeto-Schiller 31 prevents experimental abdominal aortic aneurysm: Crosstalk with endoplasmic reticulum stress. *British journal of pharmacology*.

Zhang XS, et al. (2021) Astaxanthin ameliorates oxidative stress and neuronal apoptosis via SIRT1/NRF2/Prx2/ASK1/p38 after traumatic brain injury in mice. *British journal of pharmacology*, 178(5), 1114.

Yu Y, et al. (2020) Microglial Hv1 proton channels promote white matter injuries after chronic hypoperfusion in mice. *Journal of neurochemistry*, 152(3), 350.

Gonzalez-Juarbe N, et al. (2020) Influenza-Induced Oxidative Stress Sensitizes Lung Cells to Bacterial-Toxin-Mediated Necroptosis. *Cell reports*, 32(8), 108062.

Zhang Y, et al. (2019) Imidazole Ketone Erastin Induces Ferroptosis and Slows Tumor Growth in a Mouse Lymphoma Model. *Cell chemical biology*, 26(5), 623.

Fehily B, et al. (2019) Differential responses to increasing numbers of mild traumatic brain injury in a rodent closed-head injury model. *Journal of neurochemistry*, 149(5), 660.

Giacchi MK, et al. (2018) Oligodendroglia Are Particularly Vulnerable to Oxidative Damage after Neurotrauma In Vivo. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 38(29), 6491.

Aleksandrov R, et al. (2018) Protein Dynamics in Complex DNA Lesions. *Molecular cell*, 69(6), 1046.

Mao Y, et al. (2018) The Effects of a Combination of Ion Channel Inhibitors in Female Rats Following Repeated Mild Traumatic Brain Injury. *International journal of molecular sciences*, 19(11).