

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).