

Resource Summary Report

Generated by [NIF](#) on Sep 1, 2026

8-oxo-dG Antibody

RRID:AB_1857195

Type: Antibody

Proper Citation

R and D Systems Cat# 4354-MC-050, RRID:AB_1857195

Antibody Information

URL: http://antibodyregistry.org/AB_1857195

Proper Citation: R and D Systems Cat# 4354-MC-050, RRID:AB_1857195

Target Antigen: 8-oxo-dG

Host Organism: Mouse

Clonality: monoclonal

Comments: Applications: ELISA, Immunohistochemistry, Immunocytochemistry

Antibody Name: 8-oxo-dG Antibody

Description: This monoclonal targets 8-oxo-dG

Target Organism: species independent

Clone ID: 15A3

Antibody ID: AB_1857195

Vendor: R and D Systems

Catalog Number: 4354-MC-050

Record Creation Time: 20250819T215903+0000

Record Last Update: 20250820T004401+0000

Ratings and Alerts

No rating or validation information has been found for 8-oxo-dG Antibody.

No alerts have been found for 8-oxo-dG Antibody.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 16 mentions in open access literature.

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

Mace JW, et al. (2026) Autoimmune neuroinflammation leads to neuronal death via MIF nuclease-mediated parthanatos. *Nature neuroscience*, 29(4), 796.

Fu Y, et al. (2025) The low-dose CHK1 inhibitor prexasertib triggers VDAC1 dephosphorylation to activate mtDNA-STING signaling and synergize immunotherapy. *Cell reports*, 44(5), 115605.

Lypova N, et al. (2024) PFKFB3-dependent redox homeostasis and DNA repair support cell survival under EGFR-TKIs in non-small cell lung carcinoma. *Cancer & metabolism*, 12(1), 37.

McLeod M, et al. (2024) Detecting altered hepatic lipid oxidation by MRI in an animal model of MASLD. *Cell reports. Medicine*, 5(9), 101714.

Palma FR, et al. (2024) Histone H3.1 is a chromatin-embedded redox sensor triggered by tumor cells developing adaptive phenotypic plasticity and multidrug resistance. *Cell reports*, 43(3), 113897.

Della Volpe L, et al. (2024) A p38 MAPK-ROS axis fuels proliferation stress and DNA damage during CRISPR-Cas9 gene editing in hematopoietic stem and progenitor cells. *Cell reports. Medicine*, 5(11), 101823.

Mhatre SD, et al. (2022) Artificial gravity partially protects space-induced neurological deficits in *Drosophila melanogaster*. *Cell reports*, 40(10), 111279.

Kanakkanthara A, et al. (2022) Repurposing Ceritinib Induces DNA Damage and Enhances PARP Inhibitor Responses in High-Grade Serous Ovarian Carcinoma. *Cancer research*, 82(2), 307.

Harkness JH, et al. (2021) Diurnal changes in perineuronal nets and parvalbumin neurons in the rat medial prefrontal cortex. *Brain structure & function*, 226(4), 1135.

SenGupta T, et al. (2021) Base excision repair causes age-dependent accumulation of single-stranded DNA breaks that contribute to Parkinson disease pathology. *Cell reports*, 36(10), 109668.

Fracassi A, et al. (2021) Oxidative Damage and Antioxidant Response in Frontal Cortex of Demented and Nondemented Individuals with Alzheimer's Neuropathology. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 41(3), 538.

Wicker CA, et al. (2021) Glutaminase inhibition with telaglenastat (CB-839) improves treatment response in combination with ionizing radiation in head and neck squamous cell carcinoma models. *Cancer letters*, 502, 180.

Allouche J, et al. (2021) NNT mediates redox-dependent pigmentation via a UVB- and MITF-independent mechanism. *Cell*, 184(16), 4268.

Li CG, et al. (2019) PPAR γ Interaction with UBR5/ATMIN Promotes DNA Repair to Maintain Endothelial Homeostasis. *Cell reports*, 26(5), 1333.

Polyzos AA, et al. (2019) Metabolic Reprogramming in Astrocytes Distinguishes Region-Specific Neuronal Susceptibility in Huntington Mice. *Cell metabolism*, 29(6), 1258.

Weavers H, et al. (2019) Injury Activates a Dynamic Cytoprotective Network to Confer Stress Resilience and Drive Repair. *Current biology : CB*, 29(22), 3851.