

Resource Summary Report

Generated by [dkNET](#) on Aug 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 15 mentions in open access literature.

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

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.

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.

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

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.

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.

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

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.

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.

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.