

Resource Summary Report

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gamma-H2AX Antibody

RRID:AB_203288

Type: Antibody

Proper Citation

Thermo Fisher Scientific Cat# A300-081A, RRID:AB_203288

Antibody Information

URL: http://antibodyregistry.org/AB_203288

Proper Citation: Thermo Fisher Scientific Cat# A300-081A, RRID:AB_203288

Target Antigen: Phospho-gamma-H2AX (Ser139)

Host Organism: rabbit

Clonality: polyclonal

Comments: Discontinued; Applications: ICC (1:500-1:2,000), WB (1:2,000-1:10,000), IF (1:500-1:5,000), IHC (1:1,000-1:5,000)

Antibody Name: gamma-H2AX Antibody

Description: This polyclonal targets Phospho-gamma-H2AX (Ser139)

Target Organism: mouse, human

Antibody ID: AB_203288

Vendor: Thermo Fisher Scientific

Catalog Number: A300-081A

Record Creation Time: 20250820T071447+0000

Record Last Update: 20250821T015506+0000

Ratings and Alerts

No rating or validation information has been found for gamma-H2AX Antibody.

Warning: Discontinued at Thermo Fisher Scientific
Discontinued; Applications: ICC (1:500-1:2,000), WB (1:2,000-1:10,000), IF (1:500-1:5,000), IHC (1:1,000-1:5,000)

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 17 mentions in open access literature.

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

Rogers CB, et al. (2025) Cell Type Specific Suppression of Hyper-Recombination by Human RAD18 Is Linked to Proliferating Cell Nuclear Antigen K164 Ubiquitination. *Biomolecules*, 15(1).

Alruwaili MM, et al. (2025) A Sequential Triple-Drug Strategy for Selective Targeting of p53-Mutant Cancers. *bioRxiv : the preprint server for biology*.

Nishizawa H, et al. (2024) BACH1 inhibits senescence, obesity, and short lifespan by ferroptotic FGF21 secretion. *Cell reports*, 43(7), 114403.

Schmit MM, et al. (2024) A critical threshold of MCM10 is required to maintain genome stability during differentiation of induced pluripotent stem cells into natural killer cells. *Open biology*, 14(1), 230407.

Leuzzi G, et al. (2024) SMARCAL1 is a dual regulator of innate immune signaling and PD-L1 expression that promotes tumor immune evasion. *Cell*, 187(4), 861.

Alruwaili MM, et al. (2024) A synergistic two-drug therapy specifically targets a DNA repair dysregulation that occurs in p53-deficient colorectal and pancreatic cancers. *Cell reports. Medicine*, 5(3), 101434.

Sogari A, et al. (2024) Tolerance to colibactin correlates with homologous recombination proficiency and resistance to irinotecan in colorectal cancer cells. *Cell reports. Medicine*, 5(2), 101376.

Zeng F, et al. (2023) Upregulated DNA Damage-Linked Biomarkers in Parkinson's Disease Model Mice. *ASN neuro*, 15, 17590914231152099.

Leung W, et al. (2023) FANCD2-dependent mitotic DNA synthesis relies on PCNA K164 ubiquitination. *Cell reports*, 42(12), 113523.

Wang YC, et al. (2023) Arginine shortage induces replication stress and confers genotoxic resistance by inhibiting histone H4 translation and promoting PCNA ubiquitination. *Cell reports*, 42(4), 112296.

Xu X, et al. (2022) Uncompensated mitochondrial oxidative stress underlies heart failure in an iPSC-derived model of congenital heart disease. *Cell stem cell*, 29(5), 840.

Yasuhara T, et al. (2022) RAP80 suppresses the vulnerability of R-loops during DNA double-strand break repair. *Cell reports*, 38(5), 110335.

Cuella-Martin R, et al. (2021) Functional interrogation of DNA damage response variants with base editing screens. *Cell*, 184(4), 1081.

Miyamoto R, et al. (2021) HOXA9 promotes MYC-mediated leukemogenesis by maintaining gene expression for multiple anti-apoptotic pathways. *eLife*, 10.

Baranes-Bachar K, et al. (2018) The Ubiquitin E3/E4 Ligase UBE4A Adjusts Protein Ubiquitylation and Accumulation at Sites of DNA Damage, Facilitating Double-Strand Break Repair. *Molecular cell*, 69(5), 866.

Yasuhara T, et al. (2018) Human Rad52 Promotes XPG-Mediated R-loop Processing to Initiate Transcription-Associated Homologous Recombination Repair. *Cell*, 175(2), 558.

Qiao H, et al. (2018) Impeding DNA Break Repair Enables Oocyte Quality Control. *Molecular cell*, 72(2), 211.