

Resource Summary Report

Generated by [dkNET](#) on Aug 6, 2026

[gamma H2A.X \(phospho S139\) antibody \[3F2\]](#)

RRID:AB_447150

Type: Antibody

Proper Citation

Abcam Cat# ab22551, RRID:AB_447150

Antibody Information

URL: http://antibodyregistry.org/AB_447150

Proper Citation: Abcam Cat# ab22551, RRID:AB_447150

Target Antigen: gamma H2A.X (phospho S139) antibody [3F2]

Host Organism: mouse

Clonality: monoclonal

Comments: validation status unknown, seller recommendations provided in 2012: Flow Cytometry; Western Blot; Immunocytochemistry; Immunohistochemistry - fixed; Immunofluorescence; ELISA; Immunohistochemistry; ELISA, Flow Cyt, ICC/IF, IF, IHC-P, WB

Antibody Name: gamma H2A.X (phospho S139) antibody [3F2]

Description: This monoclonal targets gamma H2A.X (phospho S139) antibody [3F2]

Target Organism: mouse, human

Antibody ID: AB_447150

Vendor: Abcam

Catalog Number: ab22551

Record Creation Time: 20250820T001823+0000

Record Last Update: 20250820T075459+0000

Ratings and Alerts

No rating or validation information has been found for gamma H2A.X (phospho S139) antibody [3F2].

No alerts have been found for gamma H2A.X (phospho S139) antibody [3F2].

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 24 mentions in open access literature.

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

Kallio P, et al. (2025) A Multipotent PROX1+ Tumor Stem/Progenitor Cell Population Emerges during Intestinal Tumorigenesis and Mediates Radioresistance in Colorectal Cancer. *Cancer research*, 85(23), 4616.

Nakatani T, et al. (2025) RIF1 controls replication timing in early mouse embryos independently of lamina-associated nuclear organization. *Developmental cell*, 60(16), 2149.

Li Y, et al. (2025) Base-pair resolution reveals clustered R-loops and DNA damage-susceptible R-loops. *Molecular cell*, 85(8), 1686.

Gekko H, et al. (2025) Redistribution of fragmented mitochondria ensures symmetric organelle partitioning and faithful chromosome segregation in mitotic mouse zygotes. *eLife*, 13.

Pappas G, et al. (2025) Protocol for image-based monitoring of de novo RNA synthesis at DNA double-strand breaks in human cell lines. *STAR protocols*, 6(4), 104157.

Cigrang M, et al. (2025) Pan-inhibition of super-enhancer-driven oncogenic transcription by next-generation synthetic ecteinascidins yields potent anti-cancer activity. *Nature communications*, 16(1), 512.

Garvin AJ, et al. (2025) SUMO4 promotes SUMO deconjugation required for DNA double-strand-break repair. *Molecular cell*, 85(5), 877.

Lin CJ, et al. (2024) Genetic interactions reveal distinct biological and therapeutic implications in breast cancer. *Cancer cell*, 42(4), 701.

Kang Z, et al. (2024) m6A-modified cenRNA stabilizes CENPA to ensure centromere integrity in cancer cells. *Cell*, 187(21), 6035.

Pappas G, et al. (2023) MDC1 maintains active elongation complexes of RNA polymerase II. *Cell reports*, 42(1), 111979.

Gemble S, et al. (2022) Genetic instability from a single S phase after whole-genome duplication. *Nature*, 604(7904), 146.

Fu S, et al. (2022) HIV-1 exploits the Fanconi anemia pathway for viral DNA integration. *Cell reports*, 39(8), 110840.

Mitrentsi I, et al. (2022) Heterochromatic repeat clustering imposes a physical barrier on homologous recombination to prevent chromosomal translocations. *Molecular cell*, 82(11), 2132.

Zhang Y, et al. (2022) RPRM negatively regulates ATM levels through its nuclear translocation on irradiation mediated by CDK4/6 and IPO11. *iScience*, 25(10), 105115.

Li N, et al. (2022) NEIL3 contributes to the Fanconi anemia/BRCA pathway by promoting the downstream double-strand break repair step. *Cell reports*, 41(6), 111600.

Ka NL, et al. (2021) IFI16 inhibits DNA repair that potentiates type-I interferon-induced antitumor effects in triple negative breast cancer. *Cell reports*, 37(12), 110138.

Zampetidis CP, et al. (2021) A recurrent chromosomal inversion suffices for driving escape from oncogene-induced senescence via subTAD reorganization. *Molecular cell*, 81(23), 4907.

Tuominen S, et al. (2021) Evaluation of [18F]F-DPA as a target for TSPO in head and neck cancer under normal conditions and after radiotherapy. *European journal of nuclear medicine and molecular imaging*, 48(5), 1312.

Liu Z, et al. (2021) Overexpression of thioredoxin reductase 1 can reduce DNA damage, mitochondrial autophagy and endoplasmic reticulum stress in Parkinson's disease. *Experimental brain research*, 239(2), 475.

Bugai A, et al. (2019) P-TEFb Activation by RBM7 Shapes a Pro-survival Transcriptional Response to Genotoxic Stress. *Molecular cell*, 74(2), 254.