

Resource Summary Report

Generated by FDI Lab - SciCrunch.org on Apr 1, 2025

Phospho-Histone H2A.X (Ser139) (20E3) Rabbit mAb

RRID:AB_2118009

Type: Antibody

Proper Citation

(Cell Signaling Technology Cat# 9718, RRID:AB_2118009)

Antibody Information

URL: http://antibodyregistry.org/AB_2118009

Proper Citation: (Cell Signaling Technology Cat# 9718, RRID:AB_2118009)

Target Antigen: Histone H2A.X, phospho (Ser139)

Host Organism: rabbit

Clonality: recombinant monoclonal

Comments: Applications: WB, IHC-Bond, IHC-P, IF-IC, FC-FP

Consolidation: AB_10121789.

Info: Independent validation by the NYU Lagone was performed for: IHC. This antibody was found to have the following characteristics: Functional in human:TRUE, NonFunctional in human:FALSE, Functional in animal:TRUE, NonFunctional in animal:FALSE

Antibody Name: Phospho-Histone H2A.X (Ser139) (20E3) Rabbit mAb

Description: This recombinant monoclonal targets Histone H2A.X, phospho (Ser139)

Target Organism: monkey, rat, mouse, human

Clone ID: clone 20E3

Antibody ID: AB_2118009

Vendor: Cell Signaling Technology

Catalog Number: 9718

Alternative Catalog Numbers: 9718S, 9718P

Record Creation Time: 20231110T044342+0000

Record Last Update: 20241115T083338+0000

Ratings and Alerts

- Independent validation by the NYU Lagone was performed for: IHC. This antibody was found to have the following characteristics: Functional in human:TRUE, NonFunctional in human:FALSE, Functional in animal:TRUE, NonFunctional in animal:FALSE - NYU Langone's Center for Biospecimen Research and Development
<https://med.nyu.edu/research/scientific-cores-shared-resources/center-biospecimen-research-development>

No alerts have been found for Phospho-Histone H2A.X (Ser139) (20E3) Rabbit mAb.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 318 mentions in open access literature.

Listed below are recent publications. The full list is available at [FDI Lab - SciCrunch.org](#).

Sharma M, et al. (2024) Targeting DNA Repair and Survival Signaling in Diffuse Intrinsic Pontine Gliomas to Prevent Tumor Recurrence. *Molecular cancer therapeutics*, 23(1), 24.

León NY, et al. (2024) Y chromosome damage underlies testicular abnormalities in ATR-X syndrome. *iScience*, 27(5), 109629.

Audrey A, et al. (2024) RAD52-dependent mitotic DNA synthesis is required for genome stability in Cyclin E1-overexpressing cells. *Cell reports*, 43(4), 114116.

McKenney C, et al. (2024) CDK4/6 activity is required during G2 arrest to prevent stress-induced endoreplication. *Science (New York, N.Y.)*, 384(6695), eadi2421.

Nguyen CDK, et al. (2024) PRMT1 promotes epigenetic reprogramming associated with acquired chemoresistance in pancreatic cancer. *Cell reports*, 43(5), 114176.

Harada N, et al. (2024) The splicing factor CCAR1 regulates the Fanconi anemia/BRCA pathway. *Molecular cell*, 84(14), 2618.

Perkins DW, et al. (2024) Therapy-induced normal tissue damage promotes breast cancer

metastasis. *iScience*, 27(1), 108503.

Boddu PC, et al. (2024) Transcription elongation defects link oncogenic SF3B1 mutations to targetable alterations in chromatin landscape. *Molecular cell*, 84(8), 1475.

Zhou Z, et al. (2024) Type 2 cytokine signaling in macrophages protects from cellular senescence and organismal aging. *Immunity*, 57(3), 513.

Zhang CD, et al. (2024) Synergistic antitumor efficacy of rMV-Hu191 and Olaparib in pancreatic cancer by generating oxidative DNA damage and ROS-dependent apoptosis. *Translational oncology*, 39, 101812.

Johnson BA, et al. (2024) Simple aneuploidy evades p53 surveillance and promotes niche factor-independent growth in human intestinal organoids. *Molecular biology of the cell*, 35(8), br15.

Zou D, et al. (2024) DDX20 is required for cell-cycle reentry of prospermatogonia and establishment of spermatogonial stem cell pool during testicular development in mice. *Developmental cell*, 59(13), 1707.

Geraud M, et al. (2024) TDP1 mutation causing SCAN1 neurodegenerative syndrome hampers the repair of transcriptional DNA double-strand breaks. *Cell reports*, 43(5), 114214.

Choudhury D, et al. (2024) Proline restores mitochondrial function and reverses aging hallmarks in senescent cells. *Cell reports*, 43(2), 113738.

Howard GC, et al. (2024) Ribosome subunit attrition and activation of the p53-MDM4 axis dominate the response of MLL-rearranged cancer cells to WDR5 WIN site inhibition. *eLife*, 12.

Zwirner S, et al. (2024) First-in-class MKK4 inhibitors enhance liver regeneration and prevent liver failure. *Cell*, 187(7), 1666.

Chhabra Y, et al. (2024) Sex-dependent effects in the aged melanoma tumor microenvironment influence invasion and resistance to targeted therapy. *Cell*, 187(21), 6016.

Taylor RN, et al. (2024) Interleukin-1 β induces and accelerates human endometrial stromal cell senescence and impairs decidualization via the c-Jun N-terminal kinase pathway. *Cell death discovery*, 10(1), 288.

Scelfo A, et al. (2024) Specialized replication mechanisms maintain genome stability at human centromeres. *Molecular cell*, 84(6), 1003.

Moolmuang B, et al. (2024) PLK1 inhibition leads to mitotic arrest and triggers apoptosis in cholangiocarcinoma cells. *Oncology letters*, 28(1), 316.