

Resource Summary Report

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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: 20260522T070015+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 379 mentions in open access literature.

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

Ahmad T, et al. (2026) KDM7B-mediated demethylation of RNF113A regulates small cell lung cancer sensitivity to alkylation damage. bioRxiv : the preprint server for biology.

Guo L, et al. (2026) Defining RNA oligonucleotides that reverse deleterious phase transitions of RNA-binding proteins with prion-like domains. Molecular cell, 86(1), 114.

Ma Y, et al. (2026) Exploiting the polypharmacology of alectinib for synergistic RNA splicing disruption with RBM39 degraders. Cell reports, 45(1), 116784.

Joyce CM, et al. (2026) The FANCD2-FANCI heterodimer coordinates chromatin openness and cell cycle progression throughout DNA double-strand break repair. Cell reports, 45(1), 116830.

Bhat N, et al. (2026) Enhancing the antitumor efficacy using a combination of FGFR4 Inhibitor (H3B-6527) and oxaliplatin in gastric cancer. Neoplasia (New York, N.Y.), 71, 101257.

Mu H, et al. (2025) Methionine intervention induces PD-L1 expression to enhance the immune checkpoint therapy response in MTAP-deleted osteosarcoma. Cell reports. Medicine, 6(3), 101977.

Johnson AL, et al. (2025) Combined Radiation and Endocrine Therapies Elicit Benefit in ER+ Breast Cancer. Cancers, 17(12).

Simões-Sousa S, et al. (2025) ARID1A stabilizes non-homologous end joining factors at DNA breaks induced by the G4 ligand pyridostatin. Cell reports, 44(9), 116277.

- DiRusso JA, et al. (2025) Sex-specific expression and function of TRIM28 during mouse primordial germ differentiation. *iScience*, 28(10), 113474.
- Bensberg M, et al. (2025) Exposing the DNA methylation-responsive compartment of the leukaemic genome in T-ALL cell lines support its potential as a novel therapeutic target in T-ALL. *Clinical epigenetics*, 17(1), 114.
- Zhang F, et al. (2025) The ESCRT protein CHMP5 restricts bone formation by controlling endolysosome-mitochondrion-mediated cell senescence. *eLife*, 13.
- Qin Z, et al. (2025) Co-targeting BMI1 and MYC to eliminate cancer stem cells in squamous cell carcinoma. *Cell reports. Medicine*, 6(5), 102077.
- Chen F, et al. (2025) Oxidative stress and Kras mutation in Mist1+ cells act in a double-hit manner to drive gastric tumorigenesis. *Cell reports*, 44(7), 116014.
- Pepe S, et al. (2025) Genomic context influences translesion synthesis DNA polymerase-dependent mechanisms of micronuclei induction by G-quadruplexes. *Cell reports*, 44(5), 115706.
- Ng II, et al. (2025) Targeting WEE1 in tumor-associated dendritic cells potentiates antitumor immunity via the cGAS/STING pathway. *Cell reports*, 44(6), 115733.
- Jung HG, et al. (2025) Control of aging-associated neurodegeneration via hypothalamic extracellular vesicles containing parathymosin. *Cell reports*, 44(11), 116561.
- Guo Y, et al. (2025) Novel compounds with promising HuH-7 inhibitory activity as new cancer drug candidates: derivatives of N,N'-diphenylurea linked with 1,2,3-triazole. *Journal of enzyme inhibition and medicinal chemistry*, 40(1), 2585597.
- Raymundo JR, et al. (2025) TGF β is required for hair follicle function during aging and its loss leads to progressive alopecia. *The Journal of investigative dermatology*.
- Papadimitriou TI, et al. (2025) CD8+ T cells drive myofibroblast activation and contraction via JAK/STAT3 and TGF β signaling. *iScience*, 28(12), 113904.
- Geng L, et al. (2025) Systematic profiling reveals betaine as an exercise mimetic for geroprotection. *Cell*.