

Resource Summary Report

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Anti-phospho-Histone H2A.X (Ser139) Antibody, clone JBW301

RRID:AB_309864

Type: Antibody

Proper Citation

Sigma-Aldrich Cat# 05-636, RRID:AB_309864

Antibody Information

URL: http://antibodyregistry.org/AB_309864

Proper Citation: Sigma-Aldrich Cat# 05-636, RRID:AB_309864

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

Host Organism: mouse

Clonality: monoclonal

Comments: Applications: ChIP, immunocytochemistry, immunofluorescence, immunohistochemistry, western blot

Antibody Name: Anti-phospho-Histone H2A.X (Ser139) Antibody, clone JBW301

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

Target Organism: vertebrates

Clone ID: JBW301

Antibody ID: AB_309864

Vendor: Sigma-Aldrich

Catalog Number: 05-636

Record Creation Time: 20241107T015847+0000

Record Last Update: 20260830T002806+0000

Ratings and Alerts

No rating or validation information has been found for Anti-phospho-Histone H2A.X (Ser139) Antibody, clone JBW301.

No alerts have been found for Anti-phospho-Histone H2A.X (Ser139) Antibody, clone JBW301.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 529 mentions in open access literature.

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

Cheng P, et al. (2026) PARP1 suppression drives ROS resistance in aneuploid cancer cells. *Molecular cell*, 86(9), 1742.

Planchard D, et al. (2026) Efficacy, safety, and biomarker analysis of datopotamab deruxtecan in advanced non-small cell lung cancer: ICARUS-LUNG01 phase 2 study. *Cancer cell*, 44(6), 1147.

Ishikawa KI, et al. (2026) Suppression of ATM kinase signaling accelerates cellular senescence. *Stem cell reports*, 21(7), 102956.

Gracilla DE, et al. (2026) FET Fusion Oncoproteins Disrupt Physiologic DNA Repair and Create a Targetable Opportunity for ATR Inhibitor Therapy. *Cancer research*, 86(11), 2660.

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

Wang Z, et al. (2026) RAD51 succinylation regulates homologous recombination and contributes to the chemosensitivity in cancer. *Molecular cell*, 86(4), 585.

Criscuolo D, et al. (2026) KRAS-mediated CCDC6 degradation drives xCT upregulation and ferroptosis evasion. *Apoptosis : an international journal on programmed cell death*, 31(8).

Alhourani F, et al. (2026) Targeting SUV4-20H Epigenetic Enzymes Enhances Topoisomerase II Poisoning in Prostate Cancer. *Cancer research*, 86(1), 236.

Luo L, et al. (2026) CDK2 inhibitor BLU-222 synergizes with CDK4/6 inhibitors in drug resistant breast cancers through p21/p27 induction. *Nature communications*, 17(1), 619.

Safari M, et al. (2026) Combined HDAC and eIF4A inhibition: A novel epigenetic therapy for pancreatic ductal adenocarcinoma. *Drug resistance updates : reviews and commentaries in antimicrobial and anticancer chemotherapy*, 84, 101312.

Patel UA, et al. (2026) CRISPR Screen Identifies HDAC3 as a Novel Radiosensitizing Target in Small Cell Lung Cancer. *Molecular cancer therapeutics*, 25(1), 183.

Zepeda CS, et al. (2026) Myonuclear loss, rather than senescent myonuclei, associates with fiber type-specific atrophy in aging human skeletal muscle. *bioRxiv : the preprint server for biology*.

Liu L, et al. (2026) Vitamin C inhibits ACSL4 to alleviate ferro-aging in primates. *Cell metabolism*, 38(4), 673.

Kohl S, et al. (2026) CXCR2 affects sensitization of radioresistant HPV-negative head and neck squamous cell carcinoma cells by ABT-263. *Radiation oncology (London, England)*, 21(1), 33.

Hayward MK, et al. (2026) Tissue tension fosters macrophage-driven lipid peroxidation-induced DNA damage. *Cancer cell*, 44(6), 1255.

Huang K, et al. (2026) MRE11 proximal polyadenylation site-mediated looping impacts transcription and genomic stability. *Molecular cell*, 86(10), 1931.

Li J, et al. (2026) Multimodal clocks of human aging. *Cell*, 189(14), 4489.

Jungwirth J, et al. (2026) The Host Cell Factor Phosphatase-2A Subunit PR130 Restricts Replication of Herpes Simplex Virus Type-1. *Advanced science (Weinheim, Baden-Wurttemberg, Germany)*, e23697.

Zhou Z, et al. (2026) SUDS3 nuclear condensates decelerate DNA replication and safeguard genome stability. *Cell reports*, 45(7), 117713.

Zhang J, et al. (2026) RNA exonuclease REXO4 resolves m6A-marked R-loops and suppresses anti-tumor immunity. *Molecular cell*.