Resource Summary Report

Generated by FDI Lab - SciCrunch.org on Apr 10, 2025

Phospho-Histone H2A.X (Ser139) Antibody

RRID:AB_2118010
Type: Antibody

Proper Citation

(Cell Signaling Technology Cat# 2577, RRID:AB_2118010)

Antibody Information

URL: http://antibodyregistry.org/AB_2118010

Proper Citation: (Cell Signaling Technology Cat# 2577, RRID:AB_2118010)

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

Host Organism: rabbit

Clonality: polyclonal

Comments: Applications: W, IF-IC, F. Consolidation: AB_2118011.
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:FALSE, NonFunctional in animal:FALSE

Antibody Name: Phospho-Histone H2A.X (Ser139) Antibody

Description: This polyclonal targets Phospho-Histone H2A.X (Ser139)

Target Organism: Human, Rat, Monkey, Mouse

Defining Citation: PMID:27906128

Antibody ID: AB_2118010

Vendor: Cell Signaling Technology

Catalog Number: 2577

Alternative Catalog Numbers: 2577S, 2577L

Record Creation Time: 20231110T081401+0000

Record Last Update: 20241115T065421+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:FALSE, 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) Antibody.

Data and Source Information

Source: Antibody Registry

Usage and Citation Metrics

We found 130 mentions in open access literature.

Listed below are recent publications. The full list is available at FDI Lab - SciCrunch.org.

Tomita-Yagi A, et al. (2024) The importance of proinflammatory failed-repair tubular epithelia as a predictor of diabetic kidney disease progression. iScience, 27(2), 109020.

Watanuki S, et al. (2024) SDHAF1 confers metabolic resilience to aging hematopoietic stem cells by promoting mitochondrial ATP production. Cell stem cell, 31(8), 1145.

Bruss C, et al. (2024) Neoadjuvant radiotherapy in ER+, HER2+, and triple-negative -specific breast cancer based humanized tumor mice enhances anti-PD-L1 treatment efficacy. Frontiers in immunology, 15, 1355130.

Feng S, et al. (2024) Profound synthetic lethality between SMARCAL1 and FANCM. Molecular cell, 84(23), 4522.

Nguyen TN, et al. (2024) Transcriptional and functional regulation of cell cycle and UV response by PPAR? in human skin epidermal cells. FASEB journal : official publication of the Federation of American Societies for Experimental Biology, 38(23), e70212.

Bossaert M, et al. (2024) Identification of the main barriers to Ku accumulation in chromatin. Cell reports, 43(8), 114538.

Gaballa A, et al. (2024) PAF1c links S-phase progression to immune evasion and MYC

function in pancreatic carcinoma. Nature communications, 15(1), 1446.

Papadopoulos D, et al. (2024) The MYCN oncoprotein is an RNA-binding accessory factor of the nuclear exosome targeting complex. Molecular cell, 84(11), 2070.

Yue W, et al. (2024) PARP inhibitors suppress tumours via centrosome error-induced senescence independent of DNA damage response. EBioMedicine, 103, 105129.

Mirzapoiazova T, et al. (2024) Teriflunomide/leflunomide synergize with chemotherapeutics by decreasing mitochondrial fragmentation via DRP1 in SCLC. iScience, 27(6), 110132.

Andronikou C, et al. (2024) PARG-deficient tumor cells have an increased dependence on EXO1/FEN1-mediated DNA repair. The EMBO journal, 43(6), 1015.

Fukuda K, et al. (2024) Targeting WEE1 enhances the antitumor effect of KRAS-mutated non-small cell lung cancer harboring TP53 mutations. Cell reports. Medicine, 5(6), 101578.

Li C, et al. (2024) Enterococcus-derived tyramine hijacks ?2A-adrenergic receptor in intestinal stem cells to exacerbate colitis. Cell host & microbe, 32(6), 950.

Graca Marques J, et al. (2024) The Chromatin Remodeler CHD4 Sustains Ewing Sarcoma Cell Survival by Controlling Global Chromatin Architecture. Cancer research, 84(2), 241.

Wrobel L, et al. (2024) p37 regulates VCP/p97 shuttling and functions in the nucleus and cytosol. Science advances, 10(18), eadl6082.

Rageul J, et al. (2024) Poly(ADP-ribosyl)ation of TIMELESS limits DNA replication stress and promotes stalled fork protection. Cell reports, 43(3), 113845.

Rossetti GG, et al. (2024) In vivo DNA replication dynamics unveil aging-dependent replication stress. Cell, 187(22), 6220.

Youk J, et al. (2024) Quantitative and qualitative mutational impact of ionizing radiation on normal cells. Cell genomics, 4(2), 100499.

Yu PC, et al. (2024) SMARCA5 reprograms AKR1B1-mediated fructose metabolism to control leukemogenesis. Developmental cell, 59(15), 1954.

Simoni-Nieves A, et al. (2024) A bispecific antibody targeting EGFR and AXL delays resistance to osimertinib. Cell reports. Medicine, 5(9), 101703.