

Resource Summary Report

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ATM (phospho S1981) antibody [EP1890Y]

RRID:AB_1640207

Type: Antibody

Proper Citation

(Abcam Cat# ab81292, RRID:AB_1640207)

Antibody Information

URL: http://antibodyregistry.org/AB_1640207

Proper Citation: (Abcam Cat# ab81292, RRID:AB_1640207)

Target Antigen: ATM, phospho (Ser1981)

Host Organism: rabbit

Clonality: monoclonal

Comments: validation status unknown, seller recommendations provided in 2012: Immunocytochemistry; Immunofluorescence; Immunohistochemistry; Immunoprecipitation; Western Blot; Immunocytochemistry/Immunofluorescence, Immunohistochemistry-P, Immunoprecipitation, Western Blot

Antibody Name: ATM (phospho S1981) antibody [EP1890Y]

Description: This monoclonal targets ATM, phospho (Ser1981)

Target Organism: human

Clone ID: Clone EP1890Y

Antibody ID: AB_1640207

Vendor: Abcam

Catalog Number: ab81292

Record Creation Time: 20231110T052352+0000

Record Last Update: 20241115T091950+0000

Ratings and Alerts

No rating or validation information has been found for ATM (phospho S1981) antibody [EP1890Y].

No alerts have been found for ATM (phospho S1981) antibody [EP1890Y].

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 32 mentions in open access literature.

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

Ko EK, et al. (2024) Disruption of H3K36 methylation provokes cellular plasticity to drive aberrant glandular formation and squamous carcinogenesis. *Developmental cell*, 59(2), 187.

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.

Needham JM, et al. (2024) Single-cell analysis reveals host S phase drives large T antigen expression during BK polyomavirus infection. *PLoS pathogens*, 20(12), e1012663.

Tucker SA, et al. (2024) SIRT4 loss reprograms intestinal nucleotide metabolism to support proliferation following perturbation of homeostasis. *Cell reports*, 43(4), 113975.

Sogari A, et al. (2024) Tolerance to colibactin correlates with homologous recombination proficiency and resistance to irinotecan in colorectal cancer cells. *Cell reports. Medicine*, 5(2), 101376.

Kang TS, et al. (2024) YZL-51N functions as a selective inhibitor of SIRT7 by NAD⁺ competition to impede DNA damage repair. *iScience*, 27(6), 110014.

Justice JL, et al. (2024) DNA-PK and ATM drive phosphorylation signatures that antagonistically regulate cytokine responses to herpesvirus infection or DNA damage. *Cell systems*, 15(4), 339.

Lee HHY, et al. (2024) Inhibition of Aberrantly Overexpressed Polo-like Kinase 4 Is a Potential Effective Treatment for DNA Damage Repair-Deficient Uterine Leiomyosarcoma. *Clinical cancer research : an official journal of the American Association for Cancer Research*, 30(17), 3904.

Bhowmick R, et al. (2023) Integrator facilitates RNAPII removal to prevent transcription-replication collisions and genome instability. *Molecular cell*, 83(13), 2357.

Xu Y, et al. (2023) Pharmacological depletion of RNA splicing factor RBM39 by indisulam synergizes with PARP inhibitors in high-grade serous ovarian carcinoma. *Cell reports*, 42(10), 113307.

Liu XD, et al. (2023) SETD2 Loss and ATR Inhibition Synergize to Promote cGAS Signaling and Immunotherapy Response in Renal Cell Carcinoma. *Clinical cancer research : an official journal of the American Association for Cancer Research*, 29(19), 4002.

Jamal K, et al. (2022) Drug-gene Interaction Screens Coupled to Tumor Data Analyses Identify the Most Clinically Relevant Cancer Vulnerabilities Driving Sensitivity to PARP Inhibition. *Cancer research communications*, 2(10), 1244.

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

Justice JL, et al. (2022) BK Polyomavirus Requires the Mismatch Repair Pathway for DNA Damage Response Activation. *Journal of virology*, 96(8), e0202821.

Uchihara Y, et al. (2022) DNA damage promotes HLA class I presentation by stimulating a pioneer round of translation-associated antigen production. *Molecular cell*, 82(14), 2557.

Papadopoulos D, et al. (2022) MYCN recruits the nuclear exosome complex to RNA polymerase II to prevent transcription-replication conflicts. *Molecular cell*, 82(1), 159.

Chou HC, et al. (2021) The human origin recognition complex is essential for pre-RC assembly, mitosis, and maintenance of nuclear structure. *eLife*, 10.

Tian T, et al. (2021) The ZATT-TOP2A-PICH Axis Drives Extensive Replication Fork Reversal to Promote Genome Stability. *Molecular cell*, 81(1), 198.

Xu S, et al. (2021) ASPM promotes homologous recombination-mediated DNA repair by safeguarding BRCA1 stability. *iScience*, 24(6), 102534.

Ghodke I, et al. (2021) AHNAK controls 53BP1-mediated p53 response by restraining 53BP1 oligomerization and phase separation. *Molecular cell*, 81(12), 2596.