

# Resource Summary Report

Generated by [dkNET](#) on Sep 8, 2026

## ATM antibody [Y170]

RRID:AB\_725574

Type: Antibody

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### Proper Citation

Abcam Cat# ab32420, RRID:AB\_725574

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### Antibody Information

**URL:** [http://antibodyregistry.org/AB\\_725574](http://antibodyregistry.org/AB_725574)

**Proper Citation:** Abcam Cat# ab32420, RRID:AB\_725574

**Target Antigen:** Human ATM

**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 antibody [Y170]

**Description:** This monoclonal targets Human ATM

**Target Organism:** human

**Clone ID:** Clone Y170

**Antibody ID:** AB\_725574

**Vendor:** Abcam

**Catalog Number:** ab32420

**Record Creation Time:** 20231110T043457+0000

**Record Last Update:** 20260829T114401+0000

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### Ratings and Alerts

No rating or validation information has been found for ATM antibody [Y170].

No alerts have been found for ATM antibody [Y170].

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## Data and Source Information

**Source:** [Antibody Registry](#)

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## Usage and Citation Metrics

We found 20 mentions in open access literature.

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

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.

Chatterjee S, et al. (2026) Pathogenesis of Noonan Syndrome is Modulated by NOC2L, a Novel Interactor of LZTR1 Leading to Impaired P53 Signalling. *The Journal of clinical endocrinology and metabolism*, 111(5), 1418.

Roger E, et al. (2026) ATM Deficiency Induces TGF $\beta$ -Mediated Stromal Programming in Pancreatic Cancer. *Cancer research*, 86(14), 3412.

Varadarajan K, et al. (2025) Efficacy of ATR Kinase Inhibitor Elimusertib Monotherapy or Combination in Tumors with DNA Damage Response Pathway and Other Genomic Alterations. *Molecular cancer therapeutics*, 24(9), 1402.

Xu K, et al. (2025) ATM deficiency drives phenotypic diversity and Purkinje cell degeneration in a macaque model of ataxia-telangiectasia. *Cell reports. Medicine*, 6(9), 102355.

Hofstad M, et al. (2025) Dual inhibition of ATR and DNA-PKcs radiosensitizes ATM-mutant prostate cancer. *Oncogene*, 44(22), 1746.

Yadav S, et al. (2025) Genomic and Immune Landscape of Pancreatic Ductal Adenocarcinoma Associated with Germline Pathogenic Variants in ATM. *Clinical cancer research : an official journal of the American Association for Cancer Research*, 31(21), 4463.

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

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.

Suzuki M, et al. (2023) KMT2C expression and DNA homologous recombination repair factors in lung cancers with a high-grade fetal adenocarcinoma component. *Translational lung cancer research*, 12(8), 1738.

Liu J, et al. (2023) A kinome-wide CRISPR screen identifies CK1 $\gamma$  as a target to overcome enzalutamide resistance of prostate cancer. *Cell reports. Medicine*, 4(4), 101015.

Bastianello G, et al. (2023) Cell stretching activates an ATM mechano-transduction pathway that remodels cytoskeleton and chromatin. *Cell reports*, 42(12), 113555.

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

Fukushima K, et al. (2020) Dysregulated Expression of the Nuclear Exosome Targeting Complex Component Rbm7 in Nonhematopoietic Cells Licenses the Development of Fibrosis. *Immunity*, 52(3), 542.

Zhang C, et al. (2020) METTL3 and N6-Methyladenosine Promote Homologous Recombination-Mediated Repair of DSBs by Modulating DNA-RNA Hybrid Accumulation. *Molecular cell*, 79(3), 425.

Laprade H, et al. (2020) Single-Molecule Imaging of Telomerase RNA Reveals a Recruitment-Retention Model for Telomere Elongation. *Molecular cell*, 79(1), 115.

Chakraborty A, et al. (2020) Replication Stress Induces Global Chromosome Breakage in the Fragile X Genome. *Cell reports*, 32(12), 108179.

Yenerall P, et al. (2020) RUVBL1/RUVBL2 ATPase Activity Drives PAQosome Maturation, DNA Replication and Radioresistance in Lung Cancer. *Cell chemical biology*, 27(1), 105.

Fujiwara Y, et al. (2018) A Nucleolar Stress-Specific p53-miR-101 Molecular Circuit Functions as an Intrinsic Tumor-Suppressor Network. *EBioMedicine*, 33, 33.

Simões-Sousa S, et al. (2018) The p38 $\gamma$  Stress Kinase Suppresses Aneuploidy Tolerance by Inhibiting Hif-1 $\alpha$ . *Cell reports*, 25(3), 749.