

# Resource Summary Report

Generated by [dkNET](#) on Aug 7, 2026

## Phospho-(Ser/Thr) ATM/ATR Substrate Antibody

RRID:AB\_330318

Type: Antibody

---

### Proper Citation

Cell Signaling Technology Cat# 2851, RRID:AB\_330318

---

### Antibody Information

**URL:** [http://antibodyregistry.org/AB\\_330318](http://antibodyregistry.org/AB_330318)

**Proper Citation:** Cell Signaling Technology Cat# 2851, RRID:AB\_330318

**Target Antigen:** Phospho-(Ser/Thr) ATM/ATR Substrate

**Host Organism:** rabbit

**Clonality:** polyclonal

**Comments:** Applications: W, IP, E-P. Consolidation on 10/2018: AB\_10078267, AB\_10104700, AB\_330318, AB\_330319.

**Antibody Name:** Phospho-(Ser/Thr) ATM/ATR Substrate Antibody

**Description:** This polyclonal targets Phospho-(Ser/Thr) ATM/ATR Substrate

**Target Organism:** all

**Antibody ID:** AB\_330318

**Vendor:** Cell Signaling Technology

**Catalog Number:** 2851

**Record Creation Time:** 20250820T005959+0000

**Record Last Update:** 20250820T094532+0000

---

### Ratings and Alerts

No rating or validation information has been found for Phospho-(Ser/Thr) ATM/ATR Substrate Antibody.

No alerts have been found for Phospho-(Ser/Thr) ATM/ATR Substrate Antibody.

---

## Data and Source Information

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

---

## Usage and Citation Metrics

We found 17 mentions in open access literature.

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

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

Sun L, et al. (2025) Phosphorylation of SIRT7 by ATM causes DNA mismatch repair downregulation and adaptive mutability during chemotherapy. *Cell reports*, 44(2), 115269.

Tian J, et al. (2025) DSCC1 restrains 53BP1/RIF1 signaling at DNA double-strand breaks to promote homologous recombination repair. *Cell reports*, 44(4), 115452.

Lu YF, et al. (2025) WDFY2 promotes MRN complex formation required for homologous recombination-mediated DNA repair. *Cell reports*, 44(11), 116520.

Cook AL, et al. (2025) Identification of nonsense-mediated decay inhibitors that alter the tumor immune landscape. *eLife*, 13.

Zhu S, et al. (2025) Isoform-specific function of NSD3 in DNA replication stress confers resistance to PARP inhibitors in prostate cancer. *Molecular cell*, 85(14), 2673.

Chen Y, et al. (2024) Metabolic regulation of homologous recombination repair by MRE11 lactylation. *Cell*, 187(2), 294.

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

Gil-Ranedo J, et al. (2021) Viral targeting of glioblastoma stem cells with patient-specific genetic and post-translational p53 deregulations. *Cell reports*, 36(10), 109673.

Palma M, et al. (2021) A role for AKT1 in nonsense-mediated mRNA decay. *Nucleic acids research*, 49(19), 11022.

Lee KY, et al. (2021) Chk1 promotes non-homologous end joining in G1 through direct phosphorylation of ASF1A. *Cell reports*, 34(4), 108680.

Shah RB, et al. (2021) FANCI functions as a repair/apoptosis switch in response to DNA crosslinks. *Developmental cell*, 56(15), 2207.

Yasuda T, et al. (2021) Inflammation-driven senescence-associated secretory phenotype in cancer-associated fibroblasts enhances peritoneal dissemination. *Cell reports*, 34(8), 108779.

Huang J, et al. (2020) Tandem Deubiquitination and Acetylation of SPRTN Promotes DNA-Protein Crosslink Repair and Protects against Aging. *Molecular cell*, 79(5), 824.

Zhang F, et al. (2020) L ARP7 Is a BRCA1??Ubiquitinase Substrate and Regulates Genome Stability and Tumorigenesis. *Cell reports*, 32(4), 107974.

Kim JJ, et al. (2020) PCAF-Mediated Histone Acetylation Promotes Replication Fork Degradation by MRE11 and EXO1 in BRCA-Deficient Cells. *Molecular cell*, 80(2), 327.

Preussner J, et al. (2018) Oncogenic Amplification of Zygotic Dux Factors in Regenerating p53-Deficient Muscle Stem Cells Defines a Molecular Cancer Subtype. *Cell stem cell*, 23(6), 794.