

Resource Summary Report

Generated by [RRID](#) on Jul 29, 2026

Chk2 (1C12) Mouse mAb

RRID:AB_2229490

Type: Antibody

Proper Citation

Cell Signaling Technology Cat# 3440, RRID:AB_2229490

Antibody Information

URL: http://antibodyregistry.org/AB_2229490

Proper Citation: Cell Signaling Technology Cat# 3440, RRID:AB_2229490

Target Antigen: CHEK2

Host Organism: mouse

Clonality: monoclonal

Comments: Applications: W, IHC-P, IF-IC

Antibody Name: Chk2 (1C12) Mouse mAb

Description: This monoclonal targets CHEK2

Target Organism: human

Antibody ID: AB_2229490

Vendor: Cell Signaling Technology

Catalog Number: 3440

Record Creation Time: 20250820T072118+0000

Record Last Update: 20250821T021051+0000

Ratings and Alerts

No rating or validation information has been found for Chk2 (1C12) Mouse mAb.

No alerts have been found for Chk2 (1C12) Mouse mAb.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 23 mentions in open access literature.

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

Schnabel JL, et al. (2025) IMPDH inhibition induces DNA replication stress and ATR sensitivity in Merkel cell carcinoma. *iScience*, 28(6), 112567.

Peixoto E, et al. (2025) Cholangiocytes' primary cilia regulate DNA damage response and repair. *American journal of physiology. Gastrointestinal and liver physiology*, 329(3), G469.

Pan Q, et al. (2024) Mapping functional elements of the DNA damage response through base editor screens. *Cell reports*, 43(12), 115047.

Liu J, et al. (2024) The phosphorylation-deubiquitination positive feedback loop of the CHK2-USP7 axis stabilizes p53 under oxidative stress. *Cell reports*, 43(6), 114366.

Hu J, et al. (2024) Modulating PCGF4/BMI1 Stability Is an Efficient Metastasis-Regulatory Strategy Used by Distinct Subtypes of Cancer-Associated Fibroblasts in Intrahepatic Cholangiocarcinoma. *The American journal of pathology*, 194(7), 1388.

Rona G, et al. (2024) CDK-independent role of D-type cyclins in regulating DNA mismatch repair. *Molecular cell*.

Aubert L, et al. (2024) Tumor acidosis-induced DNA damage response and tetraploidy enhance sensitivity to ATM and ATR inhibitors. *EMBO reports*, 25(3), 1469.

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

Wang Y, et al. (2024) NRDE2 deficiency impairs homologous recombination repair and sensitizes hepatocellular carcinoma to PARP inhibitors. *Cell genomics*, 4(5), 100550.

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.

Dreyer J, et al. (2024) Acute multi-level response to defective de novo chromatin assembly in S-phase. *Molecular cell*, 84(24), 4711.

Guardamagna I, et al. (2023) Asparagine and Glutamine Deprivation Alters Ionizing Radiation Response, Migration and Adhesion of a p53null Colorectal Cancer Cell Line. *International journal of molecular sciences*, 24(3).

Ye G, et al. (2022) The FAP ? -activated prodrug Z-GP-DAVLBH inhibits the growth and pulmonary metastasis of osteosarcoma cells by suppressing the AXL pathway. *Acta pharmaceutica Sinica. B*, 12(3), 1288.

Lebrec V, et al. (2022) Chk1 dynamics in G2 phase upon replication stress predict daughter cell outcome. *Developmental cell*, 57(5), 638.

Guardamagna I, et al. (2021) An Integrated Analysis of the Response of Colorectal Adenocarcinoma Caco-2 Cells to X-Ray Exposure. *Frontiers in oncology*, 11, 688919.

Swift ML, et al. (2021) DSB repair pathway choice is regulated by recruitment of 53BP1 through cell cycle-dependent regulation of Sp1. *Cell reports*, 34(11), 108840.

Cuella-Martin R, et al. (2021) Functional interrogation of DNA damage response variants with base editing screens. *Cell*, 184(4), 1081.

Shen JZ, et al. (2021) FBXO44 promotes DNA replication-coupled repetitive element silencing in cancer cells. *Cell*, 184(2), 352.

Zhu C, et al. (2020) Phospho-Ser784-VCP Is Required for DNA Damage Response and Is Associated with Poor Prognosis of Chemotherapy-Treated Breast Cancer. *Cell reports*, 31(10), 107745.

Fouquerel E, et al. (2019) Targeted and Persistent 8-Oxoguanine Base Damage at Telomeres Promotes Telomere Loss and Crisis. *Molecular cell*, 75(1), 117.