

Resource Summary Report

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53BP1 Antibody

RRID:AB_10694558

Type: Antibody

Proper Citation

(Cell Signaling Technology Cat# 4937, RRID:AB_10694558)

Antibody Information

URL: http://antibodyregistry.org/AB_10694558

Proper Citation: (Cell Signaling Technology Cat# 4937, RRID:AB_10694558)

Target Antigen: 53BP1

Host Organism: rabbit

Clonality: polyclonal

Comments: Applications: W, IHC-P, IF-IC. Consolidation on 10/2018: AB_10694558, AB_331526.

Antibody Name: 53BP1 Antibody

Description: This polyclonal targets 53BP1

Target Organism: h, human, mk

Antibody ID: AB_10694558

Vendor: Cell Signaling Technology

Catalog Number: 4937

Record Creation Time: 20231110T070212+0000

Record Last Update: 20241114T233606+0000

Ratings and Alerts

No rating or validation information has been found for 53BP1 Antibody.

No alerts have been found for 53BP1 Antibody.

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](#).

Wu SY, et al. (2024) IDR-targeting compounds suppress HPV genome replication via disruption of phospho-BRD4 association with DNA damage response factors. *Molecular cell*, 84(2), 202.

Panichnantakul P, et al. (2024) Protein UFMylation regulates early events during ribosomal DNA-damage response. *Cell reports*, 43(9), 114738.

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.

Martins SG, et al. (2024) Laminin- α 2 chain deficiency in skeletal muscle causes dysregulation of multiple cellular mechanisms. *Life science alliance*, 7(12).

Han T, et al. (2023) Cancer Cell Resistance to IFN γ Can Occur via Enhanced Double-Strand Break Repair Pathway Activity. *Cancer immunology research*, 11(3), 381.

Abd El-Hafeez AA, et al. (2023) Regulation of DNA damage response by trimeric G-proteins. *iScience*, 26(2), 105973.

He L, et al. (2023) C9orf72 functions in the nucleus to regulate DNA damage repair. *Cell death and differentiation*, 30(3), 716.

Rodriguez-Berriguete G, et al. (2023) Small-Molecule Pol θ Inhibitors Provide Safe and Effective Tumor Radiosensitization in Preclinical Models. *Clinical cancer research : an official journal of the American Association for Cancer Research*, 29(8), 1631.

Li X, et al. (2023) Loss of SYNCRIP unleashes APOBEC-driven mutagenesis, tumor heterogeneity, and AR-targeted therapy resistance in prostate cancer. *Cancer cell*, 41(8), 1427.

Heyza JR, et al. (2023) Systematic analysis of the molecular and biophysical properties of key DNA damage response factors. *eLife*, 12.

Iriki T, et al. (2023) Senescent cells form nuclear foci that contain the 26S proteasome. *Cell reports*, 42(8), 112880.

Wei M, et al. (2023) SENP1 Decreases RNF168 Phase Separation to Promote DNA Damage Repair and Drug Resistance in Colon Cancer. *Cancer research*, 83(17), 2908.

Lodovichi S, et al. (2023) PARylation of BRCA1 limits DNA break resection through BRCA2 and EXO1. *Cell reports*, 42(2), 112060.

Yamamoto TM, et al. (2022) Loss of Claudin-4 Reduces DNA Damage Repair and Increases Sensitivity to PARP Inhibitors. *Molecular cancer therapeutics*, 21(4), 647.

Schniewind I, et al. (2022) Cellular plasticity upon proton irradiation determines tumor cell radiosensitivity. *Cell reports*, 38(8), 110422.

Zhang C, et al. (2022) Micropeptide PACMP inhibition elicits synthetic lethal effects by decreasing CtIP and poly(ADP-ribosyl)ation. *Molecular cell*, 82(7), 1297.

Li N, et al. (2022) NEIL3 contributes to the Fanconi anemia/BRCA pathway by promoting the downstream double-strand break repair step. *Cell reports*, 41(6), 111600.

Niklas M, et al. (2022) Biosensor for deconvolution of individual cell fate in response to ion beam irradiation. *Cell reports methods*, 2(2), 100169.

Schlegel J, et al. (2022) Biosensor Cell-Fit-HD4D for correlation of single-cell fate and microscale energy deposition in complex ion beams. *STAR protocols*, 3(4), 101798.

Shao CS, et al. (2021) In situ observation of mitochondrial biogenesis as the early event of apoptosis. *iScience*, 24(9), 103038.