Resource Summary Report

Generated by FDI Lab - SciCrunch.org on May 18, 2025

53BP1 Antibody

RRID:AB_185520 Type: Antibody

Proper Citation

(Thermo Fisher Scientific Cat# A300-272A, RRID:AB_185520)

Antibody Information

URL: http://antibodyregistry.org/AB_185520

Proper Citation: (Thermo Fisher Scientific Cat# A300-272A, RRID:AB_185520)

Target Antigen: 53BP1

Host Organism: rabbit

Clonality: polyclonal

Comments: Discontinued; Applications: IP (2-10 µg/mg lysate), IHC (1:1,000-1:5,000), WB (1:10,000-1:25,000)

Antibody Name: 53BP1 Antibody

Description: This polyclonal targets 53BP1

Target Organism: mouse, human

Antibody ID: AB_185520

Vendor: Thermo Fisher Scientific

Catalog Number: A300-272A

Record Creation Time: 20241016T220134+0000

Record Last Update: 20250416T090906+0000

Ratings and Alerts

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

Warning: Discontinued at Thermo Fisher Scientific Discontinued; Applications: IP (2-10 µg/mg lysate), IHC (1:1,000-1:5,000), WB (1:10,000-1:25,000)

Data and Source Information

Source: Antibody Registry

Usage and Citation Metrics

We found 26 mentions in open access literature.

Listed below are recent publications. The full list is available at FDI Lab - SciCrunch.org.

Feng S, et al. (2024) Profound synthetic lethality between SMARCAL1 and FANCM. Molecular cell, 84(23), 4522.

Bonnet C, et al. (2024) Protocol to study the direct binding of proteins to RNA:DNA hybrids or RNA-DNA chimeras in living cells using cross-linking immunoprecipitation. STAR protocols, 5(3), 103292.

Abini-Agbomson S, et al. (2023) Catalytic and non-catalytic mechanisms of histone H4 lysine 20 methyltransferase SUV420H1. Molecular cell, 83(16), 2872.

Galhenage P, et al. (2023) Replication stress and defective checkpoints make fallopian tube epithelial cells putative drivers of high-grade serous ovarian cancer. Cell reports, 42(10), 113144.

Leriche M, et al. (2023) 53BP1 interacts with the RNA primer from Okazaki fragments to support their processing during unperturbed DNA replication. Cell reports, 42(11), 113412.

Belan O, et al. (2022) POLQ seals post-replicative ssDNA gaps to maintain genome stability in BRCA-deficient cancer cells. Molecular cell, 82(24), 4664.

Hewitt G, et al. (2021) Defective ALC1 nucleosome remodeling confers PARPi sensitization and synthetic lethality with HRD. Molecular cell, 81(4), 767.

Taglialatela A, et al. (2021) REV1-Pol? maintains the viability of homologous recombinationdeficient cancer cells through mutagenic repair of PRIMPOL-dependent ssDNA gaps. Molecular cell, 81(19), 4008.

Zaman A, et al. (2021) Exocyst protein subnetworks integrate Hippo and mTOR signaling to promote virus detection and cancer. Cell reports, 36(5), 109491.

Cuella-Martin R, et al. (2021) Functional interrogation of DNA damage response variants

with base editing screens. Cell, 184(4), 1081.

Aditi, et al. (2021) Genome instability independent of type I interferon signaling drives neuropathology caused by impaired ribonucleotide excision repair. Neuron, 109(24), 3962.

Walker EM, et al. (2021) Sex-biased islet ? cell dysfunction is caused by the MODY MAFA S64F variant by inducing premature aging and senescence in males. Cell reports, 37(2), 109813.

Drainas AP, et al. (2020) Genome-wide Screens Implicate Loss of Cullin Ring Ligase 3 in Persistent Proliferation and Genome Instability in TP53-Deficient Cells. Cell reports, 31(1), 107465.

Klotz-Noack K, et al. (2020) SFPQ Depletion Is Synthetically Lethal with BRAFV600E in Colorectal Cancer Cells. Cell reports, 32(12), 108184.

Pariset E, et al. (2020) DNA Damage Baseline Predicts Resilience to Space Radiation and Radiotherapy. Cell reports, 33(10), 108434.

Kotsantis P, et al. (2020) RTEL1 Regulates G4/R-Loops to Avert Replication-Transcription Collisions. Cell reports, 33(12), 108546.

Fagan-Solis KD, et al. (2020) A P53-Independent DNA Damage Response Suppresses Oncogenic Proliferation and Genome Instability. Cell reports, 30(5), 1385.

Kurashige T, et al. (2020) Hormonal Regulation of Autophagy in Thyroid PCCL3 Cells and the Thyroids of Male Mice. Journal of the Endocrine Society, 4(7), bvaa054.

Bigot N, et al. (2019) Phosphorylation-mediated interactions with TOPBP1 couple 53BP1 and 9-1-1 to control the G1 DNA damage checkpoint. eLife, 8.

Schiroli G, et al. (2019) Precise Gene Editing Preserves Hematopoietic Stem Cell Function following Transient p53-Mediated DNA Damage Response. Cell stem cell, 24(4), 551.