# Resource Summary Report

Generated by FDI Lab - SciCrunch.org on Apr 15, 2025

## 53BP1 (H-300)

RRID:AB_2256326
Type: Antibody

### Proper Citation

(Santa Cruz Biotechnology Cat# sc-22760, RRID:AB_2256326)

### Antibody Information

**URL:** http://antibodyregistry.org/AB_2256326

**Proper Citation:** (Santa Cruz Biotechnology Cat# sc-22760, RRID:AB_2256326)

**Target Antigen:** TP53BP1

**Host Organism:** rabbit

**Clonality:** polyclonal

**Comments:** Discontinued: 2016; validation status unknown check with seller; recommendations: ELISA; Immunofluorescence; Immunoprecipitation; Western Blot; Western Blotting, Immunoprecipitation, Immunofluorescence, ELISA

**Antibody Name:** 53BP1 (H-300)

**Description:** This polyclonal targets TP53BP1

**Target Organism:** rat, mouse, human

**Clone ID:** H-300

**Antibody ID:** AB_2256326

**Vendor:** Santa Cruz Biotechnology

**Catalog Number:** sc-22760

**Record Creation Time:** 20231110T043741+0000

**Record Last Update:** 20241115T014536+0000

## Ratings and Alerts

No rating or validation information has been found for 53BP1 (H-300).

Warning: Discontinued: 2016
Discontinued: 2016; validation status unknown check with seller; recommendations: ELISA; Immunofluorescence; Immunoprecipitation; Western Blot; Western Blotting, Immunoprecipitation, Immunofluorescence, ELISA

## Data and Source Information

**Source:** Antibody Registry

## Usage and Citation Metrics

We found 37 mentions in open access literature.

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


Georgieva D, et al. (2024) BRCA1 and 53BP1 regulate reprogramming efficiency by mediating DNA repair pathway choice at replication-associated double-strand breaks. Cell reports, 43(4), 114006.

Thosar SA, et al. (2024) Oxidative guanine base damage plays a dual role in regulating productive ALT-associated homology-directed repair. Cell reports, 43(1), 113656.

Tsukada K, et al. (2024) BLM and BRCA1-BARD1 coordinate complementary mechanisms of joint DNA molecule resolution. Molecular cell, 84(4), 640.

Shi M, et al. (2023) GAPDH facilitates homologous recombination repair by stabilizing RAD51 in an HDAC1-dependent manner. EMBO reports, 24(8), e56437.

Zhao Y, et al. (2023) Genome-scale mapping of DNA damage suppressors through phenotypic CRISPR-Cas9 screens. Molecular cell, 83(15), 2792.

Refaat AM, et al. (2023) HNRNPU facilitates antibody class-switch recombination through C-NHEJ promotion and R-loop suppression. Cell reports, 42(3), 112284.

Mansilla SF, et al. (2023) Polymerase iota (Pol ?) prevents PrimPol-mediated nascent DNA synthesis and chromosome instability. Science advances, 9(15), eade7997.

Sobinoff AP, et al. (2023) Irreversible inhibition of TRF2TRFH recruiting functions by a covalent cyclic peptide induces telomeric replication stress in cancer cells. Cell chemical biology, 30(12), 1652.

Sepe S, et al. (2022) DNA damage response at telomeres boosts the transcription of SARS-CoV-2 receptor ACE2 during aging. EMBO reports, 23(2), e53658.

Chakraborty S, et al. (2022) Heat-induced SIRT1-mediated H4K16ac deacetylation impairs resection and SMARCAD1 recruitment to double strand breaks. iScience, 25(4), 104142.

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

Shearer RF, et al. (2022) K27-linked ubiquitylation promotes p97 substrate processing and is essential for cell proliferation. The EMBO journal, 41(9), e110145.

Bhowmick R, et al. (2022) RAD51 protects human cells from transcription-replication conflicts. Molecular cell, 82(18), 3366.

Sakellariou D, et al. (2022) MutS? regulates G4-associated telomeric R-loops to maintain telomere integrity in ALT cancer cells. Cell reports, 39(1), 110602.

Ruggiano A, et al. (2021) The protease SPRTN and SUMOylation coordinate DNA-protein crosslink repair to prevent genome instability. Cell reports, 37(10), 110080.

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

Jiang Y, et al. (2021) AMPK-mediated phosphorylation on 53BP1 promotes c-NHEJ. Cell reports, 34(7), 108713.

Martinez-Pastor B, et al. (2021) Assessing kinetics and recruitment of DNA repair factors using high content screens. Cell reports, 37(13), 110176.

Chappidi N, et al. (2020) Fork Cleavage-Religation Cycle and Active Transcription Mediate Replication Restart after Fork Stalling at Co-transcriptional R-Loops. Molecular cell, 77(3), 528.

Watts LP, et al. (2020) The RIF1-long splice variant promotes G1 phase 53BP1 nuclear bodies to protect against replication stress. eLife, 9.