

Resource Summary Report

Generated by [dkNET](#) on Sep 8, 2026

Anti-Rad51 antibody - ChIP Grade (ab176458)

RRID:AB_2665405

Type: Antibody

Proper Citation

Abcam Cat# ab176458, RRID:AB_2665405

Antibody Information

URL: http://antibodyregistry.org/AB_2665405

Proper Citation: Abcam Cat# ab176458, RRID:AB_2665405

Target Antigen: Rad51

Host Organism: rabbit

Clonality: polyclonal

Comments: WB and IHC validation data available.

Antibody Name: Anti-Rad51 antibody - ChIP Grade (ab176458)

Description: This polyclonal targets Rad51

Target Organism: human

Antibody ID: AB_2665405

Vendor: Abcam

Catalog Number: ab176458

Record Creation Time: 20231110T034322+0000

Record Last Update: 20260901T025359+0000

Ratings and Alerts

No rating or validation information has been found for Anti-Rad51 antibody - ChIP Grade (ab176458).

No alerts have been found for Anti-Rad51 antibody - ChIP Grade (ab176458).

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 16 mentions in open access literature.

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

Faseela EE, et al. (2026) CTCF/cohesin-binding sites are susceptible to replication-associated DNA damage and genomic instability in cancer cells. *iScience*, 29(2), 114646.

Sottnik JL, et al. (2026) Altered MDC1 Interactions and Dysfunctional DNA Repair in Lobular Breast Cancer Confers Sensitivity to PARP Inhibition. *Cancer research*, 86(7), 1605.

Graham E, et al. (2025) The homologous recombination factors BRCA2 and PALB2 interplay with mismatch repair pathways to maintain centromere stability and cell viability. *Cell reports*, 44(2), 115259.

Bhattacharya D, et al. (2025) RNF20-mediated H2B monoubiquitination protects stalled forks from degradation and promotes fork restart. *EMBO reports*, 26(15), 3773.

Dixit S, et al. (2024) RTEL1 helicase counteracts RAD51-mediated homologous recombination and fork reversal to safeguard replicating genomes. *Cell reports*, 43(8), 114594.

Sellars E, et al. (2024) A high-throughput approach to identify BRCA1-downregulating compounds to enhance PARP inhibitor sensitivity. *iScience*, 27(7), 110180.

Tang GX, et al. (2024) Mitochondrial RelA empowers mtDNA G-quadruplex formation for hypoxia adaptation in cancer cells. *Cell chemical biology*, 31(10), 1800.

Menon DU, et al. (2024) ARID1A governs the silencing of sex-linked transcription during male meiosis in the mouse. *eLife*, 12.

Huang J, et al. (2023) SLFN5-mediated chromatin dynamics sculpt higher-order DNA repair topology. *Molecular cell*, 83(7), 1043.

Saayman X, et al. (2023) Centromeres as universal hotspots of DNA breakage, driving RAD51-mediated recombination during quiescence. *Molecular cell*, 83(4), 523.

Liu S, et al. (2023) Mycobacterium tuberculosis suppresses host DNA repair to boost its intracellular survival. *Cell host & microbe*, 31(11), 1820.

Sharma AK, et al. (2022) Quantification of protein enrichment at site-specific DNA double-strand breaks by chromatin immunoprecipitation in cultured human cells. *STAR protocols*, 4(1), 101917.

Panday A, et al. (2022) A modified CUT&RUN-seq technique for qPCR analysis of chromatin-protein interactions. STAR protocols, 3(3), 101529.

Shinoda K, et al. (2021) The dystonia gene THAP1 controls DNA double-strand break repair choice. Molecular cell, 81(12), 2611.

Callen E, et al. (2020) 53BP1 Enforces Distinct Pre- and Post-resection Blocks on Homologous Recombination. Molecular cell, 77(1), 26.

Rinaldi VD, et al. (2017) The DNA Damage Checkpoint Eliminates Mouse Oocytes with Chromosome Synapsis Failure. Molecular cell, 67(6), 1026.