

Resource Summary Report

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Rad51 antibody

RRID:AB_1142428

Type: Antibody

Proper Citation

(Abcam Cat# ab63801, RRID:AB_1142428)

Antibody Information

URL: http://antibodyregistry.org/AB_1142428

Proper Citation: (Abcam Cat# ab63801, RRID:AB_1142428)

Target Antigen: Rad51 antibody

Host Organism: rabbit

Clonality: polyclonal

Comments: validation status unknown, seller recommendations provided in 2012: Immunocytochemistry; Immunoprecipitation; Immunofluorescence; Western Blot; ICC/IF, IP, WB

Antibody Name: Rad51 antibody

Description: This polyclonal targets Rad51 antibody

Target Organism: chicken, chickenbird, human, mouse

Antibody ID: AB_1142428

Vendor: Abcam

Catalog Number: ab63801

Ratings and Alerts

No rating or validation information has been found for Rad51 antibody.

No alerts have been found for Rad51 antibody.

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 [FDI Lab - SciCrunch.org](#).

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.

Bao K, et al. (2024) A di-acetyl-decorated chromatin signature couples liquid condensation to suppress DNA end synapsis. *Molecular cell*.

Randolph ME, et al. (2024) RNA helicase DDX3 regulates RAD51 localization and DNA damage repair in Ewing sarcoma. *iScience*, 27(2), 108925.

Bolgi O, et al. (2022) Dipeptidyl peptidase 9 triggers BRCA2 degradation and promotes DNA damage repair. *EMBO reports*, 23(10), e54136.

Elbæk CR, et al. (2022) WEE1 kinase protects the stability of stalled DNA replication forks by limiting CDK2 activity. *Cell reports*, 38(3), 110261.

Huang J, et al. (2022) Evidence for reduced BRCA2 functional activity in Homo sapiens after divergence from the chimpanzee-human last common ancestor. *Cell reports*, 39(5), 110771.

Mocanu C, et al. (2022) DNA replication is highly resilient and persistent under the challenge of mild replication stress. *Cell reports*, 39(3), 110701.

Zhao J, et al. (2022) A PARylation-phosphorylation cascade promotes TOPBP1 loading and RPA-RAD51 exchange in homologous recombination. *Molecular cell*, 82(14), 2571.

Xie J, et al. (2022) The Roles of RNA Helicases in DNA Damage Repair and Tumorigenesis Reveal Precision Therapeutic Strategies. *Cancer research*, 82(5), 872.

Jimenez-Sainz J, et al. (2022) BRCA2 BRC missense variants disrupt RAD51-dependent DNA repair. *eLife*, 11.

Wilde JJ, et al. (2021) Efficient embryonic homozygous gene conversion via RAD51-enhanced interhomolog repair. *Cell*, 184(12), 3267.

Krishnamoorthy A, et al. (2021) RADX prevents genome instability by confining replication fork reversal to stalled forks. *Molecular cell*, 81(14), 3007.

Townsend A, et al. (2021) DCAF14 promotes stalled fork stability to maintain genome integrity. *Cell reports*, 34(4), 108669.

Somyajit K, et al. (2021) Homology-directed repair protects the replicating genome from metabolic assaults. *Developmental cell*, 56(4), 461.

Lyu X, et al. (2021) Human CST complex protects stalled replication forks by directly blocking MRE11 degradation of nascent-strand DNA. *The EMBO journal*, 40(2), e103654.

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

Tang M, et al. (2020) FOXK1 Participates in DNA Damage Response by Controlling 53BP1 Function. *Cell reports*, 32(6), 108018.

Seth S, et al. (2019) Pre-existing Functional Heterogeneity of Tumorigenic Compartment as the Origin of Chemoresistance in Pancreatic Tumors. *Cell reports*, 26(6), 1518.

Huang J, et al. (2019) Remodeling of Interstrand Crosslink Proximal Replisomes Is Dependent on ATR, FANCM, and FANCD2. *Cell reports*, 27(6), 1794.

Margalef P, et al. (2018) Stabilization of Reversed Replication Forks by Telomerase Drives Telomere Catastrophe. *Cell*, 172(3), 439.