

Resource Summary Report

Generated by [NIF](#) on Aug 1, 2026

Mre11 Antibody

RRID:AB_10077796

Type: Antibody

Proper Citation

Novus Cat# NB100-142, RRID:AB_10077796

Antibody Information

URL: http://antibodyregistry.org/AB_10077796

Proper Citation: Novus Cat# NB100-142, RRID:AB_10077796

Target Antigen: Mre11

Host Organism: Rabbit

Clonality: polyclonal

Comments: Applications: Western Blot, Simple Western, Flow Cytometry, ELISA, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunoprecipitation, Immunohistochemistry-Paraffin, Immunohistochemistry-Frozen, Immunoblotting, Proximity Ligation Assay, Chromatin Immunoprecipitation (ChIP), Knockout Validated, Knockdown Validated

Antibody Name: Mre11 Antibody

Description: This polyclonal targets Mre11

Target Organism: Human, Rat, Mouse, Chicken, Hamster

Antibody ID: AB_10077796

Vendor: Novus

Catalog Number: NB100-142

Alternative Catalog Numbers: NB100-142SS

Record Creation Time: 20250820T010700+0000

Record Last Update: 20250820T100424+0000

Ratings and Alerts

No rating or validation information has been found for Mre11 Antibody.

No alerts have been found for Mre11 Antibody.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 18 mentions in open access literature.

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

Zhu S, et al. (2025) Isoform-specific function of NSD3 in DNA replication stress confers resistance to PARP inhibitors in prostate cancer. *Molecular cell*, 85(14), 2673.

Elango R, et al. (2025) Two-ended recombination at a Flp-nickase-broken replication fork. *Molecular cell*, 85(1), 78.

Ubieto-Capella P, et al. (2024) A rewiring of DNA replication mediated by MRE11 exonuclease underlies primed-to-naïve cell de-differentiation. *Cell reports*, 43(4), 114024.

Baldwin JG, et al. (2024) Intercellular nanotube-mediated mitochondrial transfer enhances T cell metabolic fitness and antitumor efficacy. *Cell*.

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.

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

Qi L, et al. (2022) Phosphorylation of BRCA1 by ATM upon double-strand breaks impacts ATM function in end-resection: A potential feedback loop. *iScience*, 25(9), 104944.

Liu C, et al. (2021) Paternal USP26 mutations raise Klinefelter syndrome risk in the offspring of mice and humans. *The EMBO journal*, 40(13), e106864.

Frattoni C, et al. (2021) TopBP1 assembles nuclear condensates to switch on ATR signaling. *Molecular cell*, 81(6), 1231.

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

Zou RS, et al. (2021) Cas9 deactivation with photocleavable guide RNAs. *Molecular cell*, 81(7), 1553.

Schep R, et al. (2021) Impact of chromatin context on Cas9-induced DNA double-strand break repair pathway balance. *Molecular cell*, 81(10), 2216.

Kim JJ, et al. (2020) PCAF-Mediated Histone Acetylation Promotes Replication Fork Degradation by MRE11 and EXO1 in BRCA-Deficient Cells. *Molecular cell*, 80(2), 327.

Bai Y, et al. (2019) C1QBP Promotes Homologous Recombination by Stabilizing MRE11 and Controlling the Assembly and Activation of MRE11/RAD50/NBS1 Complex. *Molecular cell*, 75(6), 1299.

Li CG, et al. (2019) PPAR γ Interaction with UBR5/ATMIN Promotes DNA Repair to Maintain Endothelial Homeostasis. *Cell reports*, 26(5), 1333.

Lim KS, et al. (2018) USP1 Is Required for Replication Fork Protection in BRCA1-Deficient Tumors. *Molecular cell*, 72(6), 925.

Phillips AF, et al. (2017) Single-Molecule Analysis of mtDNA Replication Uncovers the Basis of the Common Deletion. *Molecular cell*, 65(3), 527.

Morales AJ, et al. (2017) A type I IFN-dependent DNA damage response regulates the genetic program and inflammasome activation in macrophages. *eLife*, 6.