

Resource Summary Report

Generated by [NIF](#) on Aug 7, 2026

ENCODE Project Antibody validation Rad21

RRID:AB_2176601

Type: Antibody

Proper Citation

Abcam Cat# ab992, RRID:AB_2176601

Antibody Information

URL: http://antibodyregistry.org/AB_2176601

Proper Citation: Abcam Cat# ab992, RRID:AB_2176601

Target Antigen: RAD21

Host Organism: rabbit

Clonality: polyclonal

Comments: Rabbit polyclonal affinity purified. Antibody Target: RAD21
Validation: ENCODE PROJECT validation information available

Antibody Name: ENCODE Project Antibody validation Rad21

Description: This polyclonal targets RAD21

Target Organism: human

Antibody ID: AB_2176601

Vendor: Abcam

Catalog Number: ab992

Record Creation Time: 20250819T215756+0000

Record Last Update: 20250820T004016+0000

Ratings and Alerts

- ENCODE PROJECT External validation for lot: GR106791 is available under ENCODE ID: ENCAB000BSF - ENCODE

No alerts have been found for ENCODE Project Antibody validation Rad21.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 48 mentions in open access literature.

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

Wutz G, et al. (2026) PDS5 proteins control genome architecture by limiting the lifetime of cohesin-NIPBL complexes. *Molecular cell*, 86(9), 1614.

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.

Karnay A, et al. (2026) Transcription and cohesin direct domain boundary spatial positioning and are linked to Friedreich's ataxia. *Molecular cell*, 86(10), 1911.

Aboreden NG, et al. (2025) LDB1 establishes multi-enhancer networks to regulate gene expression. *Molecular cell*, 85(2), 376.

Haase J, et al. (2025) Cohesin-mediated stabilization of the CCAN complex at kinetochores in mitosis. *Current biology : CB*, 35(16), 3943.

Schoeberl UE, et al. (2025) Regulation of somatic hypermutation by higher-order chromatin structure. *Molecular cell*, 85(14), 2701.

Do C, et al. (2025) Binding domain mutations provide insight into CTCF's relationship with chromatin and its contribution to gene regulation. *Cell genomics*, 5(4), 100813.

Hong Y, et al. (2024) SAFB restricts contact domain boundaries associated with L1 chimeric transcription. *Molecular cell*, 84(9), 1637.

Zhang M, et al. (2024) ZNF143 deletion alters enhancer/promoter looping and CTCF/cohesin geometry. *Cell reports*, 43(1), 113663.

Liu C, et al. (2024) A CTCF-binding site in the Mdm1-Il22-Ifng locus shapes cytokine expression profiles and plays a critical role in early Th1 cell fate specification. *Immunity*, 57(5), 1005.

Liu L, et al. (2024) A negatively charged region within carboxy-terminal domain maintains proper CTCF DNA binding. *iScience*, 27(12), 111452.

Del Vecchio A, et al. (2024) PCGF6 controls murine Tuft cell differentiation via H3K9me2 modification independently of Polycomb repression. *Developmental cell*, 59(3), 368.

Fischer A, et al. (2024) STAG2 mutations reshape the cohesin-structured spatial chromatin architecture to drive gene regulation in acute myeloid leukemia. *Cell reports*, 43(8), 114498.

Zhao Y, et al. (2023) Multiscale 3D genome reorganization during skeletal muscle stem cell lineage progression and aging. *Science advances*, 9(7), eabo1360.

Blayney JW, et al. (2023) Super-enhancers include classical enhancers and facilitators to fully activate gene expression. *Cell*, 186(26), 5826.

Brookes E, et al. (2023) A novel intergenic enhancer that regulates Bdnf expression in developing cortical neurons. *iScience*, 26(1), 105695.

Costea J, et al. (2023) A de novo transcription-dependent TAD boundary underpins critical multiway interactions during antibody class switch recombination. *Molecular cell*, 83(5), 681.

Chen LF, et al. (2023) Structural elements promote architectural stripe formation and facilitate ultra-long-range gene regulation at a human disease locus. *Molecular cell*, 83(9), 1446.

Deforz E, et al. (2022) Promoter and enhancer RNAs regulate chromatin reorganization and activation of miR-10b/HOXD locus, and neoplastic transformation in glioma. *Molecular cell*, 82(10), 1894.

Bedi YS, et al. (2022) Alcohol induced increases in sperm Histone H3 lysine 4 trimethylation correlate with increased placental CTCF occupancy and altered developmental programming. *Scientific reports*, 12(1), 8839.