

Resource Summary Report

Generated by NIF on Jul 28, 2026

Brg-1 (G-7)

RRID:AB_626762

Type: Antibody

Proper Citation

Santa Cruz Biotechnology Cat# sc-17796, RRID:AB_626762

Antibody Information

URL: http://antibodyregistry.org/AB_626762

Proper Citation: Santa Cruz Biotechnology Cat# sc-17796, RRID:AB_626762

Target Antigen: SMARCA4

Host Organism: mouse

Clonality: monoclonal

Comments: validation status unknown check with seller; recommendations: ELISA; Immunocytochemistry; Immunofluorescence; Immunohistochemistry; Immunoprecipitation; Western Blot; Western Blotting, Immunoprecipitation, Immunofluorescence, Immunohistochemistry(P), ELISA

Antibody Name: Brg-1 (G-7)

Description: This monoclonal targets SMARCA4

Target Organism: rat, mouse, human

Clone ID: G-7

Antibody ID: AB_626762

Vendor: Santa Cruz Biotechnology

Catalog Number: sc-17796

Record Creation Time: 20250819T215909+0000

Record Last Update: 20250820T004426+0000

Ratings and Alerts

- ENCODE PROJECT External validation for lot: H1104 is available under ENCODE ID: ENCAB000AEO - ENCODE
<https://www.encodeproject.org/antibodies/ENCAB000AEO>

No alerts have been found for Brg-1 (G-7).

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 27 mentions in open access literature.

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

Milovanovi?? D, et al. (2026) Tissue-specific restriction of transposon-derived regulatory elements safeguards cell-type identity. Cell reports, 45(1), 116817.

Grossi E, et al. (2025) The SWI/SNF PBAF complex facilitates REST occupancy at repressive chromatin. Molecular cell, 85(9), 1714.

Wang J, et al. (2024) BRG1 programs PRC2-complex repression and controls oligodendrocyte differentiation and remyelination. The Journal of cell biology, 223(7).

Ho PJ, et al. (2024) Multi-omics integration identifies cell-state-specific repression by PBRM1-PIAS1 cooperation. Cell genomics, 4(1), 100471.

Otto JE, et al. (2023) Structural and functional properties of mSWI/SNF chromatin remodeling complexes revealed through single-cell perturbation screens. Molecular cell, 83(8), 1350.

Sun Z, et al. (2023) Chromatin regulation of transcriptional enhancers and cell fate by the Sotos syndrome gene NSD1. Molecular cell, 83(14), 2398.

Patil A, et al. (2023) A disordered region controls cBAF activity via condensation and partner recruitment. Cell, 186(22), 4936.

Bray D, et al. (2022) CASCADE: high-throughput characterization of regulatory complex binding altered by non-coding variants. Cell genomics, 2(2).

Carcamo S, et al. (2022) Altered BAF occupancy and transcription factor dynamics in PBAF-deficient melanoma. Cell reports, 39(1), 110637.

Schoenfeld DA, et al. (2022) Loss of PBRM1 Alters Promoter Histone Modifications and Activates ALDH1A1 to Drive Renal Cell Carcinoma. Molecular cancer research : MCR, 20(8), 1193.

Zulow HJ, et al. (2022) The FUS::DDIT3 fusion oncoprotein inhibits BAF complex targeting and activity in myxoid liposarcoma. *Molecular cell*, 82(9), 1737.

Kim B, et al. (2021) Neuronal activity-induced BRG1 phosphorylation regulates enhancer activation. *Cell reports*, 36(2), 109357.

Lazar JE, et al. (2020) Global Regulatory DNA Potentiation by SMARCA4 Propagates to Selective Gene Expression Programs via Domain-Level Remodeling. *Cell reports*, 31(8), 107676.

Okuno T, et al. (2020) Zygotic Nuclear F-Actin Safeguards Embryonic Development. *Cell reports*, 31(13), 107824.

Hong AL, et al. (2019) Renal medullary carcinomas depend upon SMARCB1 loss and are sensitive to proteasome inhibition. *eLife*, 8.

Valencia AM, et al. (2019) Recurrent SMARCB1 Mutations Reveal a Nucleosome Acidic Patch Interaction Site That Potentiates mSWI/SNF Complex Chromatin Remodeling. *Cell*, 179(6), 1342.

Gao F, et al. (2019) Heterozygous Mutations in SMARCA2 Reprogram the Enhancer Landscape by Global Retargeting of SMARCA4. *Molecular cell*, 75(5), 891.

Qu YL, et al. (2019) Arid1a regulates insulin sensitivity and lipid metabolism. *EBioMedicine*, 42, 481.

Meisenberg C, et al. (2019) Repression of Transcription at DNA Breaks Requires Cohesin throughout Interphase and Prevents Genome Instability. *Molecular cell*, 73(2), 212.

Zhang H, et al. (2018) Targeting CDK9 Reactivates Epigenetically Silenced Genes in Cancer. *Cell*, 175(5), 1244.