

Resource Summary Report

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

PRMT1 (A33) Antibody

RRID:AB_2237696

Type: Antibody

Proper Citation

Cell Signaling Technology Cat# 2449, RRID:AB_2237696

Antibody Information

URL: http://antibodyregistry.org/AB_2237696

Proper Citation: Cell Signaling Technology Cat# 2449, RRID:AB_2237696

Target Antigen: PRMT1

Host Organism: rabbit

Clonality: polyclonal

Comments: Applications: W, IP, IF-IC

Antibody Name: PRMT1 (A33) Antibody

Description: This polyclonal targets PRMT1

Target Organism: rat, mouse, human

Antibody ID: AB_2237696

Vendor: Cell Signaling Technology

Catalog Number: 2449

Record Creation Time: 20250820T044705+0000

Record Last Update: 20250820T195542+0000

Ratings and Alerts

No rating or validation information has been found for PRMT1 (A33) Antibody.

No alerts have been found for PRMT1 (A33) Antibody.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 17 mentions in open access literature.

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

Zhang Y, et al. (2026) Repression of PRMT activities sensitize human homologous recombination-proficient ovarian and breast cancer cells to PARP inhibitor treatment. eLife, 13.

Hussain T, et al. (2025) Therapeutic potential of PRMT1 as a critical survival dependency target in multiple myeloma. BMC cancer, 25(1), 1704.

Aikio M, et al. (2025) Opposing roles of p38 γ -mediated phosphorylation and PRMT1-mediated arginine methylation in driving TDP-43 proteinopathy. Cell reports, 44(1), 115205.

Wu PY, et al. (2024) Cooperation between PRMT1 and PRMT6 drives lung cancer health disparities among Black/African American men. iScience, 27(2), 108858.

Zhang X, et al. (2024) CRISPR screening identifies PRMT1 as a key pro-ferroptotic gene via a two-layer regulatory mechanism. Cell reports, 43(9), 114662.

Yin S, et al. (2023) CDK5-PRMT1-WDR24 signaling cascade promotes mTORC1 signaling and tumor growth. Cell reports, 42(4), 112316.

Huang M, et al. (2023) FACS-based genome-wide CRISPR screens define key regulators of DNA damage signaling pathways. Molecular cell, 83(15), 2810.

Li X, et al. (2023) Spermine is a natural suppressor of AR signaling in castration-resistant prostate cancer. Cell reports, 42(7), 112798.

Tang S, et al. (2022) A genome-scale CRISPR screen reveals PRMT1 as a critical regulator of androgen receptor signaling in prostate cancer. Cell reports, 38(8), 110417.

Wang YP, et al. (2021) Malic enzyme 2 connects the Krebs cycle intermediate fumarate to mitochondrial biogenesis. Cell metabolism, 33(5), 1027.

Choi JH, et al. (2021) Melatonin Inhibits Osteoclastogenesis and Bone Loss in Ovariectomized Mice by Regulating PRMT1-Mediated Signaling. Endocrinology, 162(6).

Yan Z, et al. (2021) The protein arginine methyltransferase PRMT1 promotes TBK1 activation through asymmetric arginine methylation. Cell reports, 36(12), 109731.

Yang M, et al. (2020) OXR1A, a Coactivator of PRMT5 Regulating Histone Arginine Methylation. Cell reports, 30(12), 4165.

Jackson-Weaver O, et al. (2020) PRMT1-p53 Pathway Controls Epicardial EMT and Invasion. *Cell reports*, 31(10), 107739.

Lo LH, et al. (2020) The Protein Arginine Methyltransferase PRMT8 and Substrate G3BP1 Control Rac1-PAK1 Signaling and Actin Cytoskeleton for Dendritic Spine Maturation. *Cell reports*, 31(10), 107744.

Fong JY, et al. (2019) Therapeutic Targeting of RNA Splicing Catalysis through Inhibition of Protein Arginine Methylation. *Cancer cell*, 36(2), 194.

Qiao X, et al. (2019) Protein Arginine Methyltransferase 1 Interacts With PGC1 α and Modulates Thermogenic Fat Activation. *Endocrinology*, 160(12), 2773.