

Resource Summary Report

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BMI1-human

RRID:AB_10828713

Type: Antibody

Proper Citation

(Cell Signaling Technology Cat# 6964, RRID:AB_10828713)

Antibody Information

URL: http://antibodyregistry.org/AB_10828713

Proper Citation: (Cell Signaling Technology Cat# 6964, RRID:AB_10828713)

Target Antigen: BMI1

Host Organism: rabbit

Clonality: monoclonal

Comments: ENCODE PROJECT External validation DATA SET is released testing lot 1 for HepG2,heart,K562,H1-hESC,endothelial cell of umbilical vein,GM12878,IMR-90,A549,HeLa-S3,MCF-7; status is eligible for new data,awaiting lab characterization. The following antibodies were determined to be duplicates and consolidated by curator on 9/2018: AB_10839408, AB_10828713.

Antibody Name: BMI1-human

Description: This monoclonal targets BMI1

Target Organism: monkey, human

Clone ID: D20B7

Antibody ID: AB_10828713

Vendor: Cell Signaling Technology

Catalog Number: 6964

Record Creation Time: 20231110T064640+0000

Record Last Update: 20241115T095734+0000

Ratings and Alerts

- ENCODE PROJECT External validation for lot: 1 is available under ENCODE ID: ENCAB000BDV - ENCODE <https://www.encodeproject.org/antibodies/ENCAB000BDV>

No alerts have been found for BMI1-human.

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

Yang SH, et al. (2024) Activated dormant stem cells recover spermatogenesis in chemoradiotherapy-induced infertility. Cell reports, 43(8), 114582.

Wu T, et al. (2024) METTL3-mediated m6A modification regulates the polycomb repressive complex 1 (PRC1) components BMI1 and RNF2 in hepatocellular carcinoma cells. Molecular cancer research : MCR.

Arends T, et al. (2024) DUX4-induced HSATII transcription causes KDM2A/B-PRC1 nuclear foci and impairs DNA damage response. The Journal of cell biology, 223(5).

Iriki T, et al. (2023) Senescent cells form nuclear foci that contain the 26S proteasome. Cell reports, 42(8), 112880.

Brown K, et al. (2023) Principles of assembly and regulation of condensates of Polycomb repressive complex 1 through phase separation. Cell reports, 42(10), 113136.

Yamashita N, et al. (2023) MUC1-C integrates aerobic glycolysis with suppression of oxidative phosphorylation in triple-negative breast cancer stem cells. iScience, 26(11), 108168.

Xu X, et al. (2022) Gain of Chromosome 1q Perturbs a Competitive Endogenous RNA Network to Promote Melanoma Metastasis. Cancer research, 82(17), 3016.

Drosos Y, et al. (2022) NSD1 mediates antagonism between SWI/SNF and polycomb complexes and is required for transcriptional activation upon EZH2 inhibition. Molecular cell,

82(13), 2472.

Rodriguez-Ramirez C, et al. (2022) p53 Inhibits Bmi-1-driven Self-Renewal and Defines Salivary Gland Cancer Stemness. *Clinical cancer research : an official journal of the American Association for Cancer Research*, 28(21), 4757.

He X, et al. (2021) Tumor-initiating stem cell shapes its microenvironment into an immunosuppressive barrier and pro-tumorigenic niche. *Cell reports*, 36(10), 109674.

Balakrishnan I, et al. (2020) Senescence Induced by BMI1 Inhibition Is a Therapeutic Vulnerability in H3K27M-Mutant DIPG. *Cell reports*, 33(3), 108286.

Jia L, et al. (2020) BMI1 Inhibition Eliminates Residual Cancer Stem Cells after PD1 Blockade and Activates Antitumor Immunity to Prevent Metastasis and Relapse. *Cell stem cell*, 27(2), 238.

Miyamoto R, et al. (2020) Activation of CpG-Rich Promoters Mediated by MLL Drives MOZ-Rearranged Leukemia. *Cell reports*, 32(13), 108200.

Kim GB, et al. (2019) Rapid Generation of Somatic Mouse Mosaics with Locus-Specific, Stably Integrated Transgenic Elements. *Cell*, 179(1), 251.

Su W, et al. (2019) The Polycomb Repressor Complex 1 Drives Double-Negative Prostate Cancer Metastasis by Coordinating Stemness and Immune Suppression. *Cancer cell*, 36(2), 139.

Kim MJ, et al. (2018) PAF-Myc-Controlled Cell Stemness Is Required for Intestinal Regeneration and Tumorigenesis. *Developmental cell*, 44(5), 582.

Huang X, et al. (2018) Targeting Epigenetic Crosstalk as a Therapeutic Strategy for EZH2-Aberrant Solid Tumors. *Cell*, 175(1), 186.