Resource Summary Report

Generated by nidm-terms on Aug 24, 2026

B6;129-Bmi1$^{tm1(cre/ERT)Mrc}$/J

RRID:IMSR_JAX:010531
Type: Organism

Proper Citation

RRID:IMSR_JAX:010531

Organism Information

URL: https://www.jax.org/strain/010531

Proper Citation: RRID:IMSR_JAX:010531

Description: Mus musculus with name B6;129-Bmi1$^{tm1(cre/ERT)Mrc}$/J from IMSR.

Species: Mus musculus

Synonyms: B6;129-Bmi1/J

Notes: gene symbol note: Cre recombinase and estrogen receptor 1 (human) fusion gene|Bmi1 proto-oncogene; polycomb ring finger; mutant stock: cre/ERT2|Bmi1

Affected Gene: Cre recombinase and estrogen receptor 1 (human) fusion gene|Bmi1 proto-oncogene; polycomb ring finger

Genomic Alteration: targeted mutation 1; Mario R Capecchi

Catalog Number: JAX:010531

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: sperm

Organism Name: B6;129-Bmi1$^{tm1(cre/ERT)Mrc}$/J

Record Creation Time: 20250513T053716+0000

Record Last Update: 20260815T050626+0000

Ratings and Alerts

No rating or validation information has been found for B6;129-Bmi1$^{tm1(cre/ERT)Mrc}$/J.

No alerts have been found for B6;129-Bmi1$^{tm1(cre/ERT)Mrc}$/J.

Data and Source Information

Source: Integrated Animals

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 13 mentions in open access literature.

Listed below are recent publications. The full list is available at nidm-terms .

Qin Z, et al. (2025) Co-targeting BMI1 and MYC to eliminate cancer stem cells in squamous cell carcinoma. Cell reports. Medicine, 6(5), 102077.

Smith NR, et al. (2025) Dual states of murine Bmi1-expressing intestinal stem cells drive epithelial development utilizing non-canonical Wnt signaling. Developmental cell, 60(16), 2177.

Liu S, et al. (2024) Pharmacological inhibition of MYC to mitigate chemoresistance in preclinical models of squamous cell carcinoma. Theranostics, 14(2), 622.

Ohara TE, et al. (2022) Adaptive differentiation promotes intestinal villus recovery. Developmental cell, 57(2), 166.

Zhang W, et al. (2021) Targeting KDM4A epigenetically activates tumor-cell-intrinsic immunity by inducing DNA replication stress. Molecular cell, 81(10), 2148.

Chen D, et al. (2021) Generation of a squamous cell carcinoma mouse model for lineage tracing of BMI1+ cancer stem cells. STAR protocols, 2(2), 100484.

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.

Wang C, et al. (2021) CD276 expression enables squamous cell carcinoma stem cells to evade immune surveillance. Cell stem cell, 28(9), 1597.

Chen F, et al. (2020) TIGAR/AP-1 axis accelerates the division of Lgr5- reserve intestinal stem cells to reestablish intestinal architecture after lethal radiation. Cell death & disease, 11(7), 501.

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.

Jones KB, et al. (2019) Quantitative Clonal Analysis and Single-Cell Transcriptomics Reveal Division Kinetics, Hierarchy, and Fate of Oral Epithelial Progenitor Cells. Cell stem cell, 24(1), 183.

Yousefi M, et al. (2018) Calorie Restriction Governs Intestinal Epithelial Regeneration through Cell-Autonomous Regulation of mTORC1 in Reserve Stem Cells. Stem cell reports, 10(3), 703.

Yan KS, et al. (2017) Intestinal Enteroendocrine Lineage Cells Possess Homeostatic and Injury-Inducible Stem Cell Activity. Cell stem cell, 21(1), 78.