Resource Summary Report

Generated by RRID on Jul 29, 2026

B6.129P2-Trp53^{tm1Brn}/J

RRID:IMSR_JAX:008462
Type: Organism

Proper Citation

RRID:IMSR_JAX:008462

Organism Information

URL: https://www.jax.org/strain/008462

Proper Citation: RRID:IMSR_JAX:008462

Description: Mus musculus with name B6.129P2-Trp53^{tm1Brn}/J from IMSR.

Species: Mus musculus

Notes: gene symbol note: transformation related protein 53; congenic strain: Trp53

Affected Gene: transformation related protein 53

Genomic Alteration: targeted mutation 1; Anton Berns

Catalog Number: JAX:008462

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: B6.129P2-Trp53^{tm1Brn}/J

Record Creation Time: 20250513T053709+0000

Record Last Update: 20260725T044420+0000

Ratings and Alerts

No rating or validation information has been found for B6.129P2-Trp53^{tm1Brn}/J.

No alerts have been found for B6.129P2-Trp53^{tm1Brn}/J.

Data and Source Information

Source: Integrated Animals

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 138 mentions in open access literature.

Listed below are recent publications. The full list is available at RRID .

Diaz-Jimenez A, et al. (2026) EML4-ALK Variant-Specific Genetic Interactions Shape Lung Tumorigenesis. Cancer discovery, 16(1), 46.

Zhang ZD, et al. (2026) MITA/STING-driven CD38 induction in Siglec-Flow macrophages promotes regulatory T cell survival and non-small cell lung cancer progression. Developmental cell.

Cheung JF, et al. (2025) Distinct T cell functions enable efficient immunoediting and prevent tumor emergence of developing sarcomas. Cancer cell, 43(12), 2311.

Hu K, et al. (2025) Development and Application of MiMouse, a Comprehensive Genomic Profiling Panel for Credentialing Mouse Tumor Models. Cancer research communications, 5(10), 1910.

Nguyen KA, et al. (2025) Activation of PI3K and deletion of p53 in keratin 15-expressing mouse mammary cells induces tumor heterogeneity and plasticity modeling metaplastic breast cancer. The Journal of pathology, 267(2), 213.

Li H, et al. (2025) Disrupting AGR2/IGF1 paracrine and reciprocal signaling for pancreatic cancer therapy. Cell reports. Medicine, 6(2), 101927.

Park JS, et al. (2025) L1CAM signaling through planar cell polarity generates SOX2 + metastatic progenitors in lung adenocarcinoma. bioRxiv : the preprint server for biology.

Lee JY, et al. (2025) Senolytic-sensitive p16Ink4a+ fibroblasts in the tumor stroma rewire lung cancer metabolism and plasticity. Cell stem cell, 32(12), 1869.

Guo J, et al. (2025) KMT2C deficiency drives transdifferentiation of double-negative prostate cancer and confer resistance to AR-targeted therapy. Cancer cell, 43(7), 1261.

Rominger MC, et al. (2025) Mutant RIT1 cooperates with YAP to drive an EMT-like lung cancer state. Cell reports, 44(10), 116185.

Teng M, et al. (2025) Circular RMST cooperates with lineage-driving transcription factors to govern neuroendocrine transdifferentiation. Cancer cell, 43(5), 891.

Nguyen DT, et al. (2025) Protein kinase C? dictates tumor trajectory, cell plasticity, and immune surveillance in lung adenocarcinoma. Cell reports, 44(12), 116606.

Mozzarelli AM, et al. (2025) RIT1 Drives Oncogenic Transformation and Is an Actionable Target in Lung Adenocarcinoma. Cancer research, 85(17), 3196.

Broderick C, et al. (2025) A RAS(ON) Multi-Selective Inhibitor Combination Therapy Triggers Long-term Tumor Control through Senescence-Associated Tumor-Immune Equilibrium in Pancreatic Ductal Adenocarcinoma. Cancer discovery, 15(8), 1717.

Jang J, et al. (2025) Deciphering Precursor Cell Dynamics in Esophageal Preneoplasia via Genetic Barcoding and Single-Cell Transcriptomics. bioRxiv : the preprint server for biology.

Tang Z, et al. (2025) A subset of neutrophils activates anti-tumor immunity and inhibits non-small-cell lung cancer progression. Developmental cell, 60(3), 379.

Yang C, et al. (2025) KRAS4B oncogenic mutants promote non-small cell lung cancer progression via the interaction of deubiquitinase USP25 with RNF31. Developmental cell, 60(12), 1768.

Salmerón C, et al. (2025) Histamine H1 Receptor: A potential therapeutic target for pancreatic ductal adenocarcinoma. The Journal of pharmacology and experimental therapeutics, 392(5), 103573.

Fraire CR, et al. (2025) An imbalance between proliferation and differentiation underlies the development of microRNA-defective pineoblastoma. Genes & development, 39(11-12), 727.

Hirade K, et al. (2025) Inhibiting KRAS with CD47 and immune checkpoint overcomes intrinsic resistance to combined KRAS and immune checkpoint inhibitor therapy. Cell reports. Medicine, 6(9), 102317.