

Resource Summary Report

Generated by [NIF](#) on Aug 30, 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: 20260829T045002+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 153 mentions in open access literature.

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

Grimont A, et al. (2026) Molecular dynamics driving phenotypic divergence among KRAS mutants in pancreatic tumorigenesis. *Developmental cell*.

Zhang Y, et al. (2026) Stem cell control in the lung by an autocrine injury-activated Igf complex. *Science (New York, N.Y.)*, 392(6795), eadt1310.

Salmerón C, et al. (2026) Corrigendum to "Histamine H1 receptor: a potential therapeutic target for pancreatic ductal adenocarcinoma". *The Journal of pharmacology and experimental therapeutics*, 393(4), 104305.

Cheng X, et al. (2026) Interleukin-34-Induced Arg1+ Macrophages Play a Key Role in Breast Cancer Brain Metastasis. *Cancer research communications*, 6(6), 1388.

Agrawal D, et al. (2026) Aberrant methylation limits antitumoral inflammation in lung adenocarcinoma by restricting RIPK3 expression. *Science advances*, 12(4), eadz9227.

Gudenas BL, et al. (2026) A tumor-associated photoreceptor signature unifies distinct central nervous system malignancies. *Cancer cell*, 44(4), 831.

Yu X, et al. (2026) Bacterial vesicles from intratumoral *L. salivarius* enhance PD-1 blockade via FPR1-mediated macrophage polarization in gastric cancer. *Cell reports. Medicine*, 7(2), 102621.

Lin L, et al. (2026) Nonsense-mediated mRNA decay orchestrates neuronal migration and cortical lamination while modulating Reelin and ciliary gene regulatory networks. *Cell reports*, 45(3), 117027.

Pandya T, et al. (2026) Plasma signals of lung tumor promotion for molecular cancer prevention. *Cell*, 189(13), 3903.

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*.

Ji Y, et al. (2026) Serotonin Modulates Lineage Plasticity in Neuroendocrine Prostate Cancer via Epigenetic Reprogramming. *Cancer discovery*, 16(4), 760.

Swancutt KL, et al. (2026) Immune Stromal Components Impede Biological Effectiveness of Carbon Ion Therapy in a Preclinical Model of Pancreatic Ductal Adenocarcinoma.

Molecular cancer therapeutics, 25(2), 333.

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

Garczyk M, et al. (2026) Targeting PI3K γ suppresses pancreatic cancer by dual disruption of fibrosis and immune evasion. *Cell reports*, 45(4), 117188.

Mayet A, et al. (2026) Bcl-xL blockade targets neutrophils and synergizes with chemotherapy in lung squamous cell carcinoma. *EMBO molecular medicine*, 18(5), 1625.

Zhuo M, et al. (2026) A conserved re-epithelialization program underlies malignancy in pancreatic ductal adenocarcinoma. *Cancer cell*, 44(6), 1270.

Weber M, et al. (2026) Mouse model of Merkel cell carcinoma derived from the hair follicle. *The Journal of investigative dermatology*.

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.

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.