Resource Summary Report

Generated by NIF on Sep 2, 2026

C57BL/6-Tg(TRAMP)8247Ng/J

RRID:IMSR_JAX:003135
Type: Organism

Proper Citation

RRID:IMSR_JAX:003135

Organism Information

URL: https://www.jax.org/strain/003135

Proper Citation: RRID:IMSR_JAX:003135

Description: Mus musculus with name C57BL/6-Tg(TRAMP)8247Ng/J from IMSR.

Species: Mus musculus

Notes: gene symbol note: transgene insertion 8247; Norman M Greenberg|probasin|SV40 large T-antigen; coisogenic strain|mutant strain: Tg(TRAMP)8247Ng|Pb|TAg

Affected Gene: transgene insertion 8247; Norman M Greenberg|probasin|SV40 large T-antigen

Genomic Alteration: transgene insertion 8247; Norman M Greenberg

Catalog Number: JAX:003135

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: C57BL/6-Tg(TRAMP)8247Ng/J

Record Creation Time: 20250513T053637+0000

Record Last Update: 20260829T044928+0000

Ratings and Alerts

No rating or validation information has been found for C57BL/6-Tg(TRAMP)8247Ng/J.

No alerts have been found for C57BL/6-Tg(TRAMP)8247Ng/J.

Data and Source Information

Source: Integrated Animals

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 28 mentions in open access literature.

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

Brevi A, et al. (2026) Intercepting YAP Activation in Prostate Cancer Blocks Neuroendocrine Progression. Cancer research, 86(12), 2860.

Lin C, et al. (2025) Cholesterol metabolism regulated by CAMKK2-CREB signaling promotes castration-resistant prostate cancer. Cell reports, 44(6), 115792.

Sulsenti R, et al. (2024) Intracellular Osteopontin Promotes the Release of TNF? by Mast Cells to Restrain Neuroendocrine Prostate Cancer. Cancer immunology research, 12(9), 1147.

Maccarinelli F, et al. (2023) Iron supplementation enhances RSL3-induced ferroptosis to treat naïve and prevent castration-resistant prostate cancer. Cell death discovery, 9(1), 81.

Jia D, et al. (2022) Stromal FOXF2 suppresses prostate cancer progression and metastasis by enhancing antitumor immunity. Nature communications, 13(1), 6828.

Chiodelli P, et al. (2022) FGFR blockade by pemigatinib treats naïve and castration resistant prostate cancer. Cancer letters, 526, 217.

Jiang X, et al. (2022) Two-Stage SN38 Release from a Core-Shell Nanoparticle Enhances Tumor Deposition and Antitumor Efficacy for Synergistic Combination with Immune Checkpoint Blockade. ACS nano, 16(12), 21417.

Marhold M, et al. (2022) MALAT1 Fusions and Basal Cells Contribute to Primary Resistance against Androgen Receptor Inhibition in TRAMP Mice. Cancers, 14(3).

Linares JF, et al. (2022) The lactate-NAD+ axis activates cancer-associated fibroblasts by downregulating p62. Cell reports, 39(6), 110792.

Klawon DEJ, et al. (2021) Altered selection on a single self-ligand promotes susceptibility to organ-specific T cell infiltration. The Journal of experimental medicine, 218(6).

Applegate CC, et al. (2021) Dietary tomato inhibits angiogenesis in TRAMP prostate cancer but is not protective with a Western-style diet in this pilot study. Scientific reports, 11(1), 18548.

Enriquez C, et al. (2021) Castration-Induced Downregulation of SPARC in Stromal Cells Drives Neuroendocrine Differentiation of Prostate Cancer. Cancer research, 81(16), 4257.

Tang SN, et al. (2021) Interception Targets of Angelica Gigas Nakai Root Extract versus Pyranocoumarins in Prostate Early Lesions and Neuroendocrine Carcinomas in TRAMP Mice. Cancer prevention research (Philadelphia, Pa.), 14(6), 635.

Barr AM, et al. (2020) Therapeutic ISCOMATRIX™ adjuvant vaccine elicits effective anti-tumor immunity in the TRAMP-C1 mouse model of prostate cancer. Cancer immunology, immunotherapy : CII, 69(10), 1959.

Miller CH, et al. (2020) Eomes identifies thymic precursors of self-specific memory-phenotype CD8+ T cells. Nature immunology, 21(5), 567.

Kazmierczak RA, et al. (2020) Evaluations of CRC2631 toxicity, tumor colonization, and genetic stability in the TRAMP prostate cancer model. Oncotarget, 11(44), 3943.

Singh CK, et al. (2020) Quercetin-Resveratrol Combination for Prostate Cancer Management in TRAMP Mice. Cancers, 12(8).

Simons BW, et al. (2019) PSMA expression in the Hi-Myc model; extended utility of a representative model of prostate adenocarcinoma for biological insight and as a drug discovery tool. The Prostate, 79(6), 678.

Dan C, et al. (2019) HNF1B expression regulates ECI2 gene expression, potentially serving a role in prostate cancer progression. Oncology letters, 17(1), 1094.

Miyazaki T, et al. (2018) Extracellular vesicle-mediated EBAG9 transfer from cancer cells to tumor microenvironment promotes immune escape and tumor progression. Oncogenesis, 7(1), 7.