Resource Summary Report

Generated by FDI Lab - SciCrunch.org on May 17, 2025

B6.Cg-Tg(Vil1-cre)1000Gum/J

RRID:IMSR_JAX:021504
Type: Organism

Proper Citation

RRID:IMSR_JAX:021504

Organism Information

URL: https://www.jax.org/strain/021504

Proper Citation: RRID:IMSR_JAX:021504

Description: Mus musculus with name B6.Cg-Tg(Vil1-cre)1000Gum/J from IMSR.

Species: Mus musculus

Notes: gene symbol note: villin 1||transgene insertion 1000; Deborah L Gumucio; mutant strain|congenic strain: Vil1||Tg(Vil1-cre)1000Gum

Affected Gene: villin 1||transgene insertion 1000; Deborah L Gumucio

Genomic Alteration: transgene insertion 1000; Deborah L Gumucio

Catalog Number: JAX:021504

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: B6.Cg-Tg(Vil1-cre)1000Gum/J

Record Creation Time: 20250513T053743+0000

Record Last Update: 20250517T092743+0000

Ratings and Alerts

No rating or validation information has been found for B6.Cg-Tg(Vil1-cre)1000Gum/J.

No alerts have been found for B6.Cg-Tg(Vil1-cre)1000Gum/J.

Data and Source Information

Source: Integrated Animals

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 21 mentions in open access literature.

Listed below are recent publications. The full list is available at FDI Lab - SciCrunch.org.

Gao C, et al. (2024) FAK loss reduces BRAFV600E-induced ERK phosphorylation to promote intestinal stemness and cecal tumor formation. Research square.

Billipp TE, et al. (2024) Tuft cell-derived acetylcholine promotes epithelial chloride secretion and intestinal helminth clearance. Immunity, 57(6), 1243.

Díez-Sánchez A, et al. (2024) LSD1 drives intestinal epithelial maturation and controls small intestinal immune cell composition independent of microbiota in a murine model. Nature communications, 15(1), 3412.

Touhara KK, et al. (2024) Crypt and Villus Enterochromaffin Cells are Distinct Stress Sensors in the Gut. bioRxiv : the preprint server for biology.

Seike K, et al. (2023) Ambient oxygen levels regulate intestinal dysbiosis and GVHD severity after allogeneic stem cell transplantation. Immunity, 56(2), 353.

Sharifkhodaei Z, et al. (2023) Colitis-induced upregulation of tumor necrosis factor receptor-2 (TNFR2) terminates epithelial regenerative signaling to restore homeostasis. iScience, 26(10), 107829.

Duan S, et al. (2023) Clinically Defined Mutations in MEN1 Alter Its Tumor-suppressive Function Through Increased Menin Turnover. Cancer research communications, 3(7), 1318.

Servin-Vences MR, et al. (2023) PIEZO2 in somatosensory neurons controls gastrointestinal transit. Cell, 186(16), 3386.

Zhou Y, et al. (2022) JAC4 Protects from X-ray Radiation-Induced Intestinal Injury by JWA-Mediated Anti-Oxidation/Inflammation Signaling. Antioxidants (Basel, Switzerland), 11(6).

Xie Z, et al. (2022) The gut-to-brain axis for toxin-induced defensive responses. Cell, 185(23), 4298.

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

Zindl CL, et al. (2022) A nonredundant role for T cell-derived interleukin 22 in antibacterial defense of colonic crypts. Immunity, 55(3), 494.

Peuker K, et al. (2022) Microbiota-dependent activation of the myeloid calcineurin-NFAT pathway inhibits B7H3- and B7H4-dependent anti-tumor immunity in colorectal cancer. Immunity, 55(4), 701.

Chen Z, et al. (2021) Interleukin-33 Promotes Serotonin Release from Enterochromaffin Cells for Intestinal Homeostasis. Immunity, 54(1), 151.

Xing J, et al. (2021) DHX15 is required to control RNA virus-induced intestinal inflammation. Cell reports, 35(12), 109205.

Pan Q, et al. (2021) The ZMYND8-regulated mevalonate pathway endows YAP-high intestinal cancer with metabolic vulnerability. Molecular cell, 81(13), 2736.

Beyaz S, et al. (2021) Dietary suppression of MHC class II expression in intestinal epithelial cells enhances intestinal tumorigenesis. Cell stem cell, 28(11), 1922.

Mihi B, et al. (2021) Interleukin-22 signaling attenuates necrotizing enterocolitis by promoting epithelial cell regeneration. Cell reports. Medicine, 2(6), 100320.

Tuganbaev T, et al. (2020) Diet Diurnally Regulates Small Intestinal Microbiome-Epithelial-Immune Homeostasis and Enteritis. Cell, 182(6), 1441.

Jarret A, et al. (2020) Enteric Nervous System-Derived IL-18 Orchestrates Mucosal Barrier Immunity. Cell, 180(1), 50.