

Resource Summary Report

Generated by [NIF](#) on Sep 12, 2026

C57BL/6-Apc^{tm1Tyj/J}

RRID:IMSR_JAX:009045

Type: Organism

Proper Citation

RRID:IMSR_JAX:009045

Organism Information

URL: <https://www.jax.org/strain/009045>

Proper Citation: RRID:IMSR_JAX:009045

Description: Mus musculus with name C57BL/6-Apc^{tm1Tyj/J} from IMSR.

Species: Mus musculus

Notes: gene symbol note: APC; WNT signaling pathway regulator; coisogenic strain: Apc

Affected Gene: APC; WNT signaling pathway regulator

Genomic Alteration: targeted mutation 1; Tyler Jacks

Catalog Number: JAX:009045

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: C57BL/6-Apc^{tm1Tyj/J}

Record Creation Time: 20250513T053712+0000

Record Last Update: 20260905T044456+0000

Ratings and Alerts

No rating or validation information has been found for C57BL/6-Apc^{tm1Tyj/J}.

No alerts have been found for C57BL/6-Apc^{tm1Tyj/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 [NIF](#) .

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.

You S, et al. (2024) Lymphatic-localized Treg-mregDC crosstalk limits antigen trafficking and restrains anti-tumor immunity. Cancer cell, 42(8), 1415.

Li C, et al. (2023) Glycolytic Regulation of Intestinal Stem Cell Self-Renewal and Differentiation. Cellular and molecular gastroenterology and hepatology, 15(4), 931.

Sun L, et al. (2023) Bile salt hydrolase in non-enterotoxigenic Bacteroides potentiates colorectal cancer. Nature communications, 14(1), 755.

Drury J, et al. (2022) Tissue-Specific Downregulation of Fatty Acid Synthase Suppresses Intestinal Adenoma Formation via Coordinated Reprogramming of Transcriptome and Metabolism in the Mouse Model of Apc-Driven Colorectal Cancer. International journal of molecular sciences, 23(12).

Norkin M, et al. (2021) High-content, targeted RNA-seq screening in organoids for drug discovery in colorectal cancer. Cell reports, 35(3), 109026.

Goc J, et al. (2021) Dysregulation of ILC3s unleashes progression and immunotherapy resistance in colon cancer. Cell, 184(19), 5015.

Contreras X, et al. (2021) A genome-wide library of MADM mice for single-cell genetic mosaic analysis. Cell reports, 35(12), 109274.

Amberg N, et al. (2021) Genetic mosaic dissection of candidate genes in mice using mosaic analysis with double markers. STAR protocols, 2(4), 100939.

Hu J, et al. (2020) DKK2 blockage-mediated immunotherapy enhances anti-angiogenic therapy of Kras mutated colorectal cancer. Biomedicine & pharmacotherapy = Biomedecine & pharmacotherapie, 127, 110229.

Shen T, et al. (2019) Neutralizing monoclonal antibody against Dickkopf2 impairs lung cancer progression via activating NK cells. Cell death discovery, 5, 123.

Hwang JH, et al. (2019) TAZ couples Hippo/Wnt signalling and insulin sensitivity through Irs1 expression. Nature communications, 10(1), 421.

Xiao Q, et al. (2018) DKK2 imparts tumor immunity evasion through β -catenin-independent suppression of cytotoxic immune-cell activation. *Nature medicine*, 24(3), 262.