

Resource Summary Report

Generated by [Kravitz](#) on Sep 18, 2026

B6.Cg-Kras^{tm4Tyj} Apc Tg(CDX2-cre/ERT2)752Erf/MaraJ

RRID:IMSR_JAX:035169

Type: Organism

Proper Citation

RRID:IMSR_JAX:035169

Organism Information

URL: <https://www.jax.org/strain/035169>

Proper Citation: RRID:IMSR_JAX:035169

Description: Mus musculus with name B6.Cg-Kras^{tm4Tyj} Apc Tg(CDX2-cre/ERT2)752Erf/MaraJ from IMSR.

Species: Mus musculus

Synonyms: KPC:APC

Notes: gene symbol note: transgene insertion 752; Eric Fearon|Cre recombinase and estrogen receptor 1 (human) fusion gene|caudal type homeobox 2|Kras proto-oncogene; GTPase|APC; WNT signaling pathway regulator; mutant strain|congenic strain: Tg(CDX2-cre/ERT2)752Erf|cre/ERT2|CDX2|Kras|Apc

Affected Gene: transgene insertion 752; Eric Fearon|Cre recombinase and estrogen receptor 1 (human) fusion gene|caudal type homeobox 2|Kras proto-oncogene; GTPase|APC; WNT signaling pathway regulator

Genomic Alteration: transgene insertion 752; Eric Fearon|targeted mutation 4; Tyler Jacks|targeted mutation 1; Tetsuo Noda

Catalog Number: JAX:035169

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: B6.Cg-Kras^{tm4Tyj} Apc Tg(CDX2-cre/ERT2)752Erf/MaraJ

Record Creation Time: 20250513T053847+0000

Record Last Update: 20260912T060619+0000

Ratings and Alerts

No rating or validation information has been found for B6.Cg-Kras^{tm4Tyj} Apc Tg(CDX2-cre/ERT2)752Erf/MaraJ.

Warning: Warning. Researchers have noted that this genotype does not sufficiently model human acute myeloid leukemia.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 6 mentions in open access literature.

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

Qiao S, et al. (2026) Microbiota utilization of intestinal amino acids modulates cancer progression and anticancer immunity. *Cell host & microbe*, 34(1), 18.

Li C, et al. (2026) VIPR1 acts as an enteric neural checkpoint that suppresses intestinal stem cell-driven epithelial regeneration and exacerbates colitis. *Cell stem cell*, 33(3), 502.

Kobayashi H, et al. (2026) A self-amplifying nerve-fibroblast circuit drives colorectal cancer progression. *Cancer cell*.

Kobayashi H, et al. (2025) Neuro-Mesenchymal Interaction Mediated by a $\alpha 2$ -Adrenergic Nerve Growth Factor Feedforward Loop Promotes Colorectal Cancer Progression. *Cancer discovery*, 15(1), 202.

Feng J, et al. (2025) A pan-KRAS inhibitor and its derived degrader elicit multifaceted anti-tumor efficacy in KRAS-driven cancers. *Cancer cell*.

Faust TE, et al. (2025) Microglia-astrocyte crosstalk regulates synapse remodeling via Wnt signaling. *Cell*.