

Resource Summary Report

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

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

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

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: 20260801T050557+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 4 mentions in open access literature.

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

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

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

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

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