

Resource Summary Report

Generated by [kravitz2](#) on Aug 3, 2026

B6.129(Cg)-Ptf1a^{tm2}(cre/ESR1)^{Cvw} Kras Pten/J

RRID:IMSR_JAX:033964

Type: Organism

Proper Citation

RRID:IMSR_JAX:033964

Organism Information

URL: <https://www.jax.org/strain/033964>

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Description: Mus musculus with name B6.129(Cg)-Ptf1a^{tm2}(cre/ESR1)^{Cvw} Kras Pten/J from IMSR.

Species: Mus musculus

Synonyms: KPP

Notes: gene symbol note: phosphatase and tensin homolog|pancreas specific transcription factor; 1a|Kras proto-oncogene; GTPase|Cre recombinase and estrogen receptor 1 fusion gene; mutant strain|congenic strain: Pten|Ptf1a|Kras|cre/Esr1

Affected Gene: phosphatase and tensin homolog|pancreas specific transcription factor; 1a|Kras proto-oncogene; GTPase|Cre recombinase and estrogen receptor 1 fusion gene

Genomic Alteration: targeted mutation 1; Hong Wu|targeted mutation 2; Christopher VE Wright|targeted mutation 4; Tyler Jacks

Catalog Number: JAX:033964

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: B6.129(Cg)-Ptf1a^{tm2}(cre/ESR1)^{Cvw} Kras Pten/J

Record Creation Time: 20250513T053839+0000

Record Last Update: 20260801T050552+0000

Ratings and Alerts

No rating or validation information has been found for B6.129(Cg)-Ptfr1a^{tm2(cre/ESR1)Cvw} Kras Pten/J.

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 3 mentions in open access literature.

Listed below are recent publications. The full list is available at [kravitz2](#) .

Weinzierl NM, et al. (2025) Sex-specific survival but not tissue wasting in the KPP mouse model of pancreatic cancer-induced cachexia. Journal of applied physiology (Bethesda, Md. : 1985), 139(5), 1189.

Sahoo SS, et al. (2022) FOXA2 suppresses endometrial carcinogenesis and epithelial-mesenchymal transition by regulating enhancer activity. The Journal of clinical investigation, 132(12).

Weston MC, et al. (2014) Loss of mTOR repressors Tsc1 or Pten has divergent effects on excitatory and inhibitory synaptic transmission in single hippocampal neuron cultures. Frontiers in molecular neuroscience, 7, 1.