

Resource Summary Report

Generated by [NIF](#) on Sep 5, 2026

B6.Cg-Tg(Pax8-rtTA2S*M2)1Koes/J

RRID:IMSR_JAX:007176

Type: Organism

Proper Citation

RRID:IMSR_JAX:007176

Organism Information

URL: <https://www.jax.org/strain/007176>

Proper Citation: RRID:IMSR_JAX:007176

Description: Mus musculus with name B6.Cg-Tg(Pax8-rtTA2S*M2)1Koes/J from IMSR.

Species: Mus musculus

Notes: gene symbol note: reverse tetracycline-controlled transactivator|transgene insertion 1; Robert Koesters|paired box 8; congenic strain: rtTA|Tg(Pax8-rtTA2S*M2)1Koes|Pax8

Affected Gene: reverse tetracycline-controlled transactivator|transgene insertion 1; Robert Koesters|paired box 8

Genomic Alteration: transgene insertion 1; Robert Koesters

Catalog Number: JAX:007176

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: sperm

Organism Name: B6.Cg-Tg(Pax8-rtTA2S*M2)1Koes/J

Record Creation Time: 20250513T053701+0000

Record Last Update: 20260905T044445+0000

Ratings and Alerts

No rating or validation information has been found for B6.Cg-Tg(Pax8-rtTA2S*M2)1Koes/J.

No alerts have been found for B6.Cg-Tg(Pax8-rtTA2S*M2)1Koes/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 18 mentions in open access literature.

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

Deng Q, et al. (2026) A multi-omics map of diabetic nephropathy reveals c-Jun as a driver of tubular injury and metabolic stress. bioRxiv : the preprint server for biology.

Márquez-Nogueras KM, et al. (2025) Hyperosmotic stimuli activate polycystin proteins to aid in urine concentration. JCI insight, 10(18).

Lv X, et al. (2025) Targeting the disrupted Hippo signaling to prevent neoplastic renal epithelial cell immune evasion. Nature communications, 16(1), 2858.

Flesken-Nikitin A, et al. (2025) Cell state dynamics during early stages of serous endometrial carcinoma. The Journal of pathology.

Anbarci DN, et al. (2025) Rediscovering the rete ovarii, a secreting auxiliary structure to the ovary. eLife, 13.

Li S, et al. (2024) Human genetics identify convergent signals in mitochondrial LACTB-mediated lipid metabolism in cardiovascular-kidney-metabolic syndrome. Cell metabolism.

Anbarci DN, et al. (2024) Bulk and single-cell transcriptome datasets of the mouse fetal and adult rete ovarii and surrounding tissues. Scientific data, 11(1), 383.

Anbarci DN, et al. (2023) Rediscovering the Rete Ovarii: a secreting auxiliary structure to the ovary. bioRxiv : the preprint server for biology.

Anbarci DN, et al. (2023) Transcriptome analysis of the mouse fetal and adult rete ovarii and surrounding tissues. bioRxiv : the preprint server for biology.

Dhillon P, et al. (2023) Increased levels of endogenous retroviruses trigger fibroinflammation and play a role in kidney disease development. Nature communications, 14(1), 559.

Shillingford JM, et al. (2023) Functional TFEB activation characterizes multiple models of renal cystic disease and loss of polycystin-1. American journal of physiology. Renal

physiology, 324(4), F404.

Ide S, et al. (2022) Sex differences in resilience to ferroptosis underlie sexual dimorphism in kidney injury and repair. *Cell reports*, 41(6), 111610.

Melica ME, et al. (2022) Differentiation of crescent-forming kidney progenitor cells into podocytes attenuates severe glomerulonephritis in mice. *Science translational medicine*, 14(657), eabg3277.

Moor MB, et al. (2020) Elevated serum magnesium lowers calcification propensity in Memo1-deficient mice. *PloS one*, 15(7), e0236361.

Ghosh A, et al. (2020) In Vivo Cell Fate Tracing Provides No Evidence for Mesenchymal to Epithelial Transition in Adult Fallopian Tube and Uterus. *Cell reports*, 31(6), 107631.

Syed SM, et al. (2020) Endometrial Axin2+ Cells Drive Epithelial Homeostasis, Regeneration, and Cancer following Oncogenic Transformation. *Cell stem cell*, 26(1), 64.

Rajendran A, et al. (2020) Tissue-specific deletion of mouse basolateral uniporter LAT4 (Slc43a2) reveals its crucial role in small intestine and kidney amino acid transport. *The Journal of physiology*, 598(22), 5109.

Legué E, et al. (2019) Tulp3 Is a Ciliary Trafficking Gene that Regulates Polycystic Kidney Disease. *Current biology : CB*, 29(5), 803.