

Resource Summary Report

Generated by [PRECISE-TBI](#) on Aug 2, 2026

C57BL/6J-Nek1^{kat-2J/J}

RRID:IMSR_JAX:002854

Type: Organism

Proper Citation

RRID:IMSR_JAX:002854

Organism Information

URL: <https://www.jax.org/strain/002854>

Proper Citation: RRID:IMSR_JAX:002854

Description: Mus musculus with name C57BL/6J-Nek1^{kat-2J/J} from IMSR.

Species: Mus musculus

Synonyms: nm1633

Notes: gene symbol note: NIMA (never in mitosis gene a)-related expressed kinase 1; mutant strain: Nek1

Affected Gene: NIMA (never in mitosis gene a)-related expressed kinase 1

Genomic Alteration: kidney; anemia and testis 2 Jackson

Catalog Number: JAX:002854

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: embryo

Organism Name: C57BL/6J-Nek1^{kat-2J/J}

Record Creation Time: 20250513T053635+0000

Record Last Update: 20260801T050338+0000

Ratings and Alerts

No rating or validation information has been found for C57BL/6J-Nek1^{kat-2J/J}.

No alerts have been found for C57BL/6J-Nek1^{kat-2J/J}.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 1 mentions in open access literature.

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

Wang H, et al. (2021) NEK1-mediated retromer trafficking promotes blood-brain barrier integrity by regulating glucose metabolism and RIPK1 activation. Nature communications, 12(1), 4826.