

Resource Summary Report

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B6.Cg-Gt(ROSA)26Sor^{tm4(lkbkb)Rsky/J}

RRID:IMSR_JAX:008242

Type: Organism

Proper Citation

RRID:IMSR_JAX:008242

Organism Information

URL: <https://www.jax.org/strain/008242>

Proper Citation: RRID:IMSR_JAX:008242

Description: Mus musculus with name B6.Cg-Gt(ROSA)26Sor^{tm4(lkbkb)Rsky/J} from IMSR.

Species: Mus musculus

Synonyms: C57BL/6-Gt(ROSA)26Sor/J. C57BL/6-Gt(ROSA)26Sor/J. B6(Cg)-Gt(ROSA)26Sor/J

Notes: gene symbol note: inhibitor of kappaB kinase beta|gene trap ROSA 26; Philippe Soriano|; mutant strain|congenic strain: lkbkb|Gt(ROSA)26Sor|

Affected Gene: inhibitor of kappaB kinase beta|gene trap ROSA 26; Philippe Soriano|

Genomic Alteration: targeted mutation 4; Klaus Rajewsky

Catalog Number: JAX:008242

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: B6.Cg-Gt(ROSA)26Sor^{tm4(lkbkb)Rsky/J}

Record Creation Time: 20250513T053707+0000

Record Last Update: 20260808T050912+0000

Ratings and Alerts

No rating or validation information has been found for B6.Cg-Gt(ROSA)26Sor^{tm4(lkbkb)Rsky/J}.

No alerts have been found for B6.Cg-Gt(ROSA)26Sor^{tm4(lkbkb)Rsky/J}.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 9 mentions in open access literature.

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

Larrayoz M, et al. (2023) Preclinical models for prediction of immunotherapy outcomes and immune evasion mechanisms in genetically heterogeneous multiple myeloma. *Nature medicine*, 29(3), 632.

Pritzl CJ, et al. (2023) IKK2/NFκB signaling controls lung resident CD8⁺ T cell memory during influenza infection. *Nature communications*, 14(1), 4331.

Meyer GA, et al. (2022) Tenotomy-induced muscle atrophy is sex-specific and independent of NF-κB. *eLife*, 11.

Heida A, et al. (2021) The hepatocyte IKK:NF-κB axis promotes liver steatosis by stimulating de novo lipogenesis and cholesterol synthesis. *Molecular metabolism*, 54, 101349.

Tichy ED, et al. (2021) Persistent NF-κB activation in muscle stem cells induces proliferation-independent telomere shortening. *Cell reports*, 35(6), 109098.

Tichy ED, et al. (2021) Telomere length assessments of muscle stem cells in rodent and human skeletal muscle sections. *STAR protocols*, 2(4), 100830.

Lei Z, et al. (2020) NF-κB Activation Accounts for the Cytoprotective Effects of PERK Activation on Oligodendrocytes during EAE. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 40(33), 6444.

Zhang Y, et al. (2017) Astrocytic Process Plasticity and IKKα/NF-κB in Central Control of Blood Glucose, Blood Pressure, and Body Weight. *Cell metabolism*, 25(5), 1091.

Kwon OJ, et al. (2014) Increased Notch signalling inhibits anoikis and stimulates proliferation of prostate luminal epithelial cells. *Nature communications*, 5, 4416.