

Resource Summary Report

Generated by [NIF](#) on Aug 31, 2026

B6;129-Txnip^{tm1Rlee}/J

RRID:IMSR_JAX:016847

Type: Organism

Proper Citation

RRID:IMSR_JAX:016847

Organism Information

URL: <https://www.jax.org/strain/016847>

Proper Citation: RRID:IMSR_JAX:016847

Description: Mus musculus with name B6;129-Txnip^{tm1Rlee}/J from IMSR.

Species: Mus musculus

Synonyms: B6N;129S-Txnip/J

Notes: gene symbol note: thioredoxin interacting protein; mutant stock: Txnip

Affected Gene: thioredoxin interacting protein

Genomic Alteration: targeted mutation 1; Richard T Lee

Catalog Number: JAX:016847

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: sperm

Organism Name: B6;129-Txnip^{tm1Rlee}/J

Record Creation Time: 20250513T053730+0000

Record Last Update: 20260829T045029+0000

Ratings and Alerts

No rating or validation information has been found for B6;129-Txnip^{tm1Rlee}/J.

No alerts have been found for B6;129-Txnip^{tm1Rlee}/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 6 mentions in open access literature.

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

Waldhart AN, et al. (2023) Optimal HSF1 activation in response to acute cold stress in BAT requires nuclear TXNIP. *iScience*, 26(5), 106538.

Avequin T, et al. (2023) Differential effects of sugar and fat on adipose tissue inflammation. *iScience*, 26(7), 107163.

Lau KH, et al. (2023) PPAR γ and C/EBP β response to acute cold stress in brown adipose tissue. *iScience*, 26(1), 105848.

Zhan Y, et al. (2022) Novel role of macrophage TXNIP-mediated CYLD-NRF2-OASL1 axis in stress-induced liver inflammation and cell death. *JHEP reports : innovation in hepatology*, 4(9), 100532.

Waldhart AN, et al. (2021) Excess dietary carbohydrate affects mitochondrial integrity as observed in brown adipose tissue. *Cell reports*, 36(5), 109488.

Muri J, et al. (2020) Thioredoxin-1 distinctly promotes NF- κ B target DNA binding and NLRP3 inflammasome activation independently of Txnip. *eLife*, 9.