

Resource Summary Report

Generated by [NIF](#) on Sep 18, 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: 20260912T060517+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.