# Resource Summary Report

Generated by FDI Lab - SciCrunch.org on Apr 15, 2025

## 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:** International Mouse Resource Center IMSR, JAX

**Database Abbreviation:** IMSR

**Availability:** sperm

**Alternate IDs:** IMSR_JAX:16847

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

**Record Creation Time:** 20230509T193309+0000

**Record Last Update:** 20250412T090557+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:** International Mouse Resource Center IMSR, JAX

## Usage and Citation Metrics

We found 6 mentions in open access literature.

**Listed below are recent publications.** The full list is available at FDI Lab - SciCrunch.org.


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? and C/EBP? 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-?B target DNA binding and NLRP3 inflammasome activation independently of Txnip. eLife, 9.