

# Resource Summary Report

Generated by [kravitz2](#) on Sep 19, 2026

## B6.129(Cg)-Scn10a<sup>tm2(cre)</sup>Jwo/TjpJ

RRID:IMSR\_JAX:036564

Type: Organism

### Proper Citation

RRID:IMSR\_JAX:036564

### Organism Information

**URL:** <https://www.jax.org/strain/036564>

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**Description:** Mus musculus with name B6.129(Cg)-Scn10a<sup>tm2(cre)</sup>Jwo/TjpJ from IMSR.

**Species:** Mus musculus

**Notes:** gene symbol note: sodium channel; voltage-gated; type X; alpha; mutant strain|congenic strain: Scn10a

**Affected Gene:** sodium channel; voltage-gated; type X; alpha

**Genomic Alteration:** targeted mutation 2; John N Wood

**Catalog Number:** JAX:036564

**Database:** JAX Mice and Services

**Database Abbreviation:** JAX

**Availability:** live

**Organism Name:** B6.129(Cg)-Scn10a<sup>tm2(cre)</sup>Jwo/TjpJ

**Record Creation Time:** 20250513T053854+0000

**Record Last Update:** 20260919T055037+0000

### Ratings and Alerts

No rating or validation information has been found for B6.129(Cg)-Scn10a<sup>tm2(cre)</sup>Jwo/TjpJ.

No alerts have been found for B6.129(Cg)-Scn10a<sup>tm2(cre)</sup>Jwo/TjpJ.

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## Data and Source Information

**Source:** [Integrated Animals](#)

**Source Database:** JAX Mice and Services

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## Usage and Citation Metrics

We found 11 mentions in open access literature.

**Listed below are recent publications.** The full list is available at [kravitz2](#) .

Roger A, et al. (2026) Sensory neuron production of substance P and TAFA4 promotes disease tolerance during viral infection. *Immunity*, 59(3), 682.

Peng J, et al. (2026) Targeting G i/o -coupled GPCRs to inhibit nociceptors: insights from the serotonin receptor Htr1b and triptans. *bioRxiv : the preprint server for biology*.

Wan S, et al. (2026) Protocol for the precise activation of intradental neurons in mice via electrical stimulation. *STAR protocols*, 7(1), 104386.

Voisin T, et al. (2026) Skin inflammation and itch response are independently regulated by distinct nociceptor subsets. *Immunity*, 59(5), 1237.

Hayes NW, et al. (2026) IL-1 $\beta$  engages distinct peripheral sensory circuits to suppress feeding across time. *bioRxiv : the preprint server for biology*.

Yu J, et al. (2026) 6-Hydroxydopamine promotes antitumor immunity through macrophage remodeling beyond sympathetic ablation. *Neuron*, 114(14), 2532.

Zhang P, et al. (2026) Sympathetic-epithelial crosstalk governs tissue-resident memory T cell immunosurveillance in the skin. *Cell*, 189(5), 1323.

Kolter J, et al. (2025) Sensory neurons shape local macrophage identity via TGF- $\beta$  signaling. *Immunity*.

Passini FS, et al. (2025) Piezo2 in sensory neurons regulates systemic and adipose tissue metabolism. *Cell metabolism*, 37(4), 987.

Santiago C, et al. (2025) Activity-dependent development of the body's touch receptors. *Neuron*, 113(11), 1758.

Roy D, et al. (2024)  $\alpha$ 2 $\beta$ 1-mediated maladaptive sensory plasticity disrupts adipose tissue homeostasis following spinal cord injury. *Cell reports. Medicine*, 5(5), 101525.