

Resource Summary Report

Generated by [RRID](#) on Jul 29, 2026

B6.129P2-Avil^{tm2(cre)}Fawa/J

RRID:IMSR_JAX:032536

Type: Organism

Proper Citation

RRID:IMSR_JAX:032536

Organism Information

URL: <https://www.jax.org/strain/032536>

Proper Citation: RRID:IMSR_JAX:032536

Description: Mus musculus with name B6.129P2-Avil^{tm2(cre)}Fawa/J from IMSR.

Species: Mus musculus

Notes: gene symbol note: advillin; mutant strain|congenic strain: Avil

Affected Gene: advillin

Genomic Alteration: targeted mutation 2; Fan Wang

Catalog Number: JAX:032536

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: B6.129P2-Avil^{tm2(cre)}Fawa/J

Record Creation Time: 20250513T053829+0000

Record Last Update: 20260725T044528+0000

Ratings and Alerts

No rating or validation information has been found for B6.129P2-Avil^{tm2(cre)}Fawa/J.

No alerts have been found for B6.129P2-Avil^{tm2(cre)}Fawa/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 24 mentions in open access literature.

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

Huey EL, et al. (2025) The auditory midbrain mediates tactile vibration sensing. *Cell*, 188(1), 104.

Liu S, et al. (2025) Neural basis of transcutaneous electrical nerve stimulation for neuropathic pain relief. *Neuron*.

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

Upadhyay A, et al. (2025) The dorsal column nuclei scale mechanical sensitivity in naive and neuropathic pain states. *Cell reports*, 44(4), 115556.

Wu Z, et al. (2025) The p75 neurotrophin receptor controls the skeletal stem cell niche through sensory innervation. *Developmental cell*.

Olson WP, et al. (2025) Muscle spindles provide flexible sensory feedback for movement sequences. *Cell reports*, 44(11), 116452.

Gradwell MA, et al. (2024) Multimodal sensory control of motor performance by glycinergic interneurons of the mouse spinal cord deep dorsal horn. *Neuron*.

Zhang L, et al. (2024) Trigeminal innervation and tactile responses in mouse tongue. *Cell reports*, 43(9), 114665.

Kang HJ, et al. (2024) Structure-guided design of a peripherally restricted chemogenetic system. *Cell*, 187(26), 7433.

Wang XW, et al. (2024) Histone methyltransferase Ezh2 coordinates mammalian axon regeneration via regulation of key regenerative pathways. *The Journal of clinical investigation*, 134(3).

Malapert P, et al. (2024) A novel Nav1.8-FLPo driver mouse for intersectional genetics to uncover the functional significance of primary sensory neuron diversity. *iScience*, 27(4), 109396.

Qi L, et al. (2024) A mouse DRG genetic toolkit reveals morphological and physiological diversity of somatosensory neuron subtypes. *Cell*, 187(6), 1508.

Vermeiren S, et al. (2023) Prdm12 represses the expression of the visceral neuron determinants Phox2a/b in developing somatosensory ganglia. *iScience*, 26(12), 108364.

Meltzer S, et al. (2023) ??-Protocadherins control synapse formation and peripheral branching of touch sensory neurons. *Neuron*, 111(11), 1776.

Qi L, et al. (2023) A DRG genetic toolkit reveals molecular, morphological, and functional diversity of somatosensory neuron subtypes. *bioRxiv : the preprint server for biology*.

Wolfson RL, et al. (2023) DRG afferents that mediate physiologic and pathologic mechanosensation from the distal colon. *Cell*, 186(16), 3368.

Joffre J, et al. (2022) N-Oleoyl dopamine induces IL-10 via central nervous system TRPV1 and improves endotoxemia and sepsis outcomes. *Journal of neuroinflammation*, 19(1), 118.

van der Vlist M, et al. (2022) Macrophages transfer mitochondria to sensory neurons to resolve inflammatory pain. *Neuron*, 110(4), 613.

Luo X, et al. (2021) IL-23/IL-17A/TRPV1 axis produces mechanical pain via macrophage-sensory neuron crosstalk in female mice. *Neuron*, 109(17), 2691.

Landy MA, et al. (2021) Loss of Prdm12 during development, but not in mature nociceptors, causes defects in pain sensation. *Cell reports*, 34(13), 108913.