

Resource Summary Report

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

B6.129-Trpv1^{tm1(cre)}Bbm/J

RRID:IMSR_JAX:017769

Type: Organism

Proper Citation

RRID:IMSR_JAX:017769

Organism Information

URL: <https://www.jax.org/strain/017769>

Proper Citation: RRID:IMSR_JAX:017769

Description: Mus musculus with name B6.129-Trpv1^{tm1(cre)}Bbm/J from IMSR.

Species: Mus musculus

Notes: gene symbol note: myc tag||transient receptor potential cation channel; subfamily V; member 1; mutant strain|congenic strain: myc tag||Trpv1

Affected Gene: myc tag||transient receptor potential cation channel; subfamily V; member 1

Genomic Alteration: targeted mutation 1; Allan Basbaum

Catalog Number: JAX:017769

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: B6.129-Trpv1^{tm1(cre)}Bbm/J

Record Creation Time: 20250513T053734+0000

Record Last Update: 20260725T044443+0000

Ratings and Alerts

No rating or validation information has been found for B6.129-Trpv1^{tm1(cre)}Bbm/J.

No alerts have been found for B6.129-Trpv1^{tm1(cre)Bbm/J}.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 77 mentions in open access literature.

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

McIlvried LA, et al. (2025) Intrinsic adaptive plasticity in mouse and human sensory neurons. *The Journal of general physiology*, 157(1).

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

Abd El Hay MY, et al. (2025) Diverging roles of TRPV1 and TRPM2 in warm-temperature detection. *eLife*, 13.

Inclan-Rico JM, et al. (2025) TRPV1+ neurons promote cutaneous immunity against *Schistosoma mansoni*. *Journal of immunology (Baltimore, Md. : 1950)*.

Wang Y, et al. (2025) Bi-directional communication between intrinsic enteric neurons and ILC2s inhibits host defense against helminth infection. *Immunity*, 58(2), 465.

Hiroki CH, et al. (2025) Nociceptor neurons suppress alveolar macrophage-induced Siglec-F+ neutrophil-mediated inflammation to protect against pulmonary fibrosis. *Immunity*, 58(8), 2054.

Yuan L, et al. (2025) Mitochondrial activity tunes nociceptor resilience to excitotoxicity. *Cell*.

Dong S, et al. (2025) Neuroanatomical organization of electroacupuncture in modulating gastric function in mice and humans. *Neuron*.

Hamnett R, et al. (2025) Enteric glutamatergic interneurons regulate intestinal motility. *Neuron*, 113(7), 1019.

Yun H, et al. (2025) The production of the chemokine CCL2 by corneal sensory neurons initiates anti-viral immunity at the cornea and trigeminal ganglion. *Cell reports*, 45(1), 116693.

Jaschke NP, et al. (2025) Gut-to-brain signaling restricts dietary protein intake during recovery from catabolic states. *Cell*, 188(26), 7481.

Hanscom M, et al. (2024) Innervation of adipocytes is limited in mouse perivascular adipose tissue. *American journal of physiology. Heart and circulatory physiology*, 327(1),

H155.

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

Ferron L, et al. (2024) Functional remodeling of presynaptic voltage-gated calcium channels in superficial layers of the dorsal horn during neuropathic pain. *iScience*, 27(6), 109973.

Morales-Soto W, et al. (2024) Endocannabinoids regulate enteric neuron-glia networks and visceral hypersensitivity following inflammation through a glial-dependent mechanism. *Glia*.

Zhang H, et al. (2023) Structure-guided peptide engineering of a positive allosteric modulator targeting the outer pore of TRPV1 for long-lasting analgesia. *Nature communications*, 14(1), 4.

Tyshynsky R, et al. (2023) Periglomerular afferent innervation of the mouse renal cortex. *Frontiers in neuroscience*, 17, 974197.

DuBreuil DM, et al. (2023) Phenotypic screen identifies the natural product silymarin as a novel anti-inflammatory analgesic. *Molecular pain*, 19, 17448069221148351.

McClain JL, et al. (2023) Sexually Dimorphic Effects of Histamine Degradation by Enteric Glial Histamine N-Methyltransferase (HNMT) on Visceral Hypersensitivity. *Biomolecules*, 13(11).

Dey S, et al. (2023) Kinesin family member 2A gates nociception. *Cell reports*, 42(10), 113257.