

Resource Summary Report

Generated by [RRID](#) on Jul 30, 2026

STOCK Adrb1^{tm1Bkk} Adrb2/J

RRID:IMSR_JAX:003810

Type: Organism

Proper Citation

RRID:IMSR_JAX:003810

Organism Information

URL: <https://www.jax.org/strain/003810>

Proper Citation: RRID:IMSR_JAX:003810

Description: Mus musculus with name STOCK Adrb1^{tm1Bkk} Adrb2/J from IMSR.

Species: Mus musculus

Notes: gene symbol note: adrenergic receptor; beta 1|adrenergic receptor; beta 2; mutant stock: Adrb1|Adrb2

Affected Gene: adrenergic receptor; beta 1|adrenergic receptor; beta 2

Genomic Alteration: targeted mutation 1; Brian K Kobilka

Catalog Number: JAX:003810

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: STOCK Adrb1^{tm1Bkk} Adrb2/J

Record Creation Time: 20250513T053641+0000

Record Last Update: 20260725T044351+0000

Ratings and Alerts

No rating or validation information has been found for STOCK Adrb1^{tm1Bkk} Adrb2/J.

No alerts have been found for STOCK Adrb1^{tm1Bkk} Adrb2/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 17 mentions in open access literature.

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

Liu T, et al. (2024) An axon-T cell feedback loop enhances inflammation and axon degeneration. Cell reports, 43(2), 113721.

Prame Kumar K, et al. (2023) Sympathetic-Mediated Intestinal Cell Death Contributes to Gut Barrier Impairment After Stroke. Translational stroke research.

Lin TY, et al. (2023) Epinephrine inhibits PI3K γ via the Hippo kinases. Cell reports, 42(12), 113535.

Muralidharan A, et al. (2021) Identification and characterization of novel candidate compounds targeting 6- and 7-transmembrane μ -opioid receptor isoforms. British journal of pharmacology, 178(13), 2709.

Qing H, et al. (2020) Origin and Function of Stress-Induced IL-6 in Murine Models. Cell, 182(2), 372.

Liu T, et al. (2020) Local sympathetic innervations modulate the lung innate immune responses. Science advances, 6(20), eaay1497.

Ding X, et al. (2019) Panicle-Shaped Sympathetic Architecture in the Spleen Parenchyma Modulates Antibacterial Innate Immunity. Cell reports, 27(13), 3799.

Shi G, et al. (2019) A Rare Mutation of α 1-Adrenergic Receptor Affects Sleep/Wake Behaviors. Neuron, 103(6), 1044.

Golan K, et al. (2018) Daily Onset of Light and Darkness Differentially Controls Hematopoietic Stem Cell Differentiation and Maintenance. Cell stem cell, 23(4), 572.

Vasamsetti SB, et al. (2018) Sympathetic Neuronal Activation Triggers Myeloid Progenitor Proliferation and Differentiation. Immunity, 49(1), 93.

Cao Y, et al. (2018) Three-dimensional volume fluorescence-imaging of vascular plasticity in adipose tissues. Molecular metabolism, 14, 71.

Cao Y, et al. (2018) Whole-tissue 3D imaging reveals intra-adipose sympathetic plasticity regulated by NGF-TrkA signal in cold-induced beiging. Protein & cell, 9(6), 527.

Jiang H, et al. (2017) Dense Intra-adipose Sympathetic Arborizations Are Essential for Cold-Induced Beiging of Mouse White Adipose Tissue. Cell metabolism, 26(4), 686.

Jaitner C, et al. (2016) Satb2 determines miRNA expression and long-term memory in the adult central nervous system. *eLife*, 5.

Church JE, et al. (2014) Functional β -adrenoceptors are important for early muscle regeneration in mice through effects on myoblast proliferation and differentiation. *PloS one*, 9(7), e101379.

Jiang Y, et al. (2014) Etanercept restores normal insulin signal transduction in β 2-adrenergic receptor knockout mice. *Journal of neuroinflammation*, 11, 137.

Lucas D, et al. (2013) Chemotherapy-induced bone marrow nerve injury impairs hematopoietic regeneration. *Nature medicine*, 19(6), 695.