

Resource Summary Report

Generated by [kravitz2](#) on Jul 28, 2026

B6;129-Gabrb3^{tm2.1Geh}/J

RRID:IMSR_JAX:008310

Type: Organism

Proper Citation

RRID:IMSR_JAX:008310

Organism Information

URL: <https://www.jax.org/strain/008310>

Proper Citation: RRID:IMSR_JAX:008310

Description: Mus musculus with name B6;129-Gabrb3^{tm2.1Geh}/J from IMSR.

Species: Mus musculus

Notes: gene symbol note: GABRB3; gamma-aminobutyric acid type A receptor subunit beta 3; mutant stock: Gabrb3

Affected Gene: GABRB3; gamma-aminobutyric acid type A receptor subunit beta 3

Genomic Alteration: targeted mutation 2.1; Gregg E Homanics

Catalog Number: JAX:008310

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: sperm

Organism Name: B6;129-Gabrb3^{tm2.1Geh}/J

Record Creation Time: 20250513T053707+0000

Record Last Update: 20260725T044419+0000

Ratings and Alerts

No rating or validation information has been found for B6;129-Gabrb3^{tm2.1Geh}/J.

No alerts have been found for B6;129-Gabrb3^{tm2.1Geh}/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 5 mentions in open access literature.

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

Kang S, et al. (2022) GAB functions as a bioenergetic and signalling gatekeeper to control T cell inflammation. Nature metabolism, 4(10), 1322.

Zimmerman AL, et al. (2019) Distinct Modes of Presynaptic Inhibition of Cutaneous Afferents and Their Functions in Behavior. Neuron, 102(2), 420.

Chiu CQ, et al. (2018) Input-Specific NMDAR-Dependent Potentiation of Dendritic GABAergic Inhibition. Neuron, 97(2), 368.

Mercer AA, et al. (2016) Sex differences in cerebellar synaptic transmission and sex-specific responses to autism-linked Gabrb3 mutations in mice. eLife, 5.

Nunes D, et al. (2015) Disinhibition of olfactory bulb granule cells accelerates odour discrimination in mice. Nature communications, 6, 8950.