

Resource Summary Report

Generated by [NIF](#) on Sep 8, 2026

B6.129-Gabra4^{tm1.2Geh}/J

RRID:IMSR_JAX:006874

Type: Organism

Proper Citation

RRID:IMSR_JAX:006874

Organism Information

URL: <https://www.jax.org/strain/006874>

Proper Citation: RRID:IMSR_JAX:006874

Description: Mus musculus with name B6.129-Gabra4^{tm1.2Geh}/J from IMSR.

Species: Mus musculus

Notes: gene symbol note: gamma-aminobutyric acid type A receptor subunit alpha 4; mutant strain|congenic strain: Gabra4

Affected Gene: gamma-aminobutyric acid type A receptor subunit alpha 4

Genomic Alteration: targeted mutation 1.2; Gregg E Homanics

Catalog Number: JAX:006874

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: sperm

Organism Name: B6.129-Gabra4^{tm1.2Geh}/J

Record Creation Time: 20250513T053659+0000

Record Last Update: 20260905T044443+0000

Ratings and Alerts

No rating or validation information has been found for B6.129-Gabra4^{tm1.2Geh}/J.

No alerts have been found for B6.129-Gabra4^{tm1.2Geh}/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 2 mentions in open access literature.

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

Evrard MR, et al. (2021) Preventing adolescent synaptic pruning in mouse prelimbic cortex via local knockdown of $\alpha 4 \beta 2$ GABAA receptors increases anxiety response in adulthood. Scientific reports, 11(1), 21059.

Nagumo Y, et al. (2020) Tonic GABAergic Inhibition Is Essential for Nerve Injury-Induced Afferent Remodeling in the Somatosensory Thalamus and Ectopic Sensations. Cell reports, 31(12), 107797.