

Resource Summary Report

Generated by [NIF](#) on Aug 24, 2026

B6.129S-Atg5^{tm1Myok}/MyokRbrc

RRID:IMSR_RBRC02975

Type: Organism

Proper Citation

RRID:IMSR_RBRC02975

Organism Information

URL: <https://brc.riken.jp/mus/RBRC02975>

Proper Citation: RRID:IMSR_RBRC02975

Description: Mus musculus with name B6.129S-Atg5^{tm1Myok}/MyokRbrc from IMSR.

Species: Mus musculus

Notes: gene symbol note: autophagy related 5; mutant strain: Atg5

Affected Gene: autophagy related 5

Genomic Alteration: targeted mutation 1; Minesuke Yokoyama

Catalog Number: RBRC02975

Database: RIKEN BioResource Research Center

Database Abbreviation: RBRC

Availability: embryo

Organism Name: B6.129S-Atg5^{tm1Myok}/MyokRbrc

Record Creation Time: 20250513T061449+0000

Record Last Update: 20260815T054814+0000

Ratings and Alerts

No rating or validation information has been found for B6.129S-Atg5^{tm1Myok}/MyokRbrc.

No alerts have been found for B6.129S-Atg5^{tm1Myok}/MyokRbrc.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: RIKEN BioResource Research Center

Usage and Citation Metrics

We found 7 mentions in open access literature.

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

Jimenez-Cyrus D, et al. (2024) Molecular cascade reveals sequential milestones underlying hippocampal neural stem cell development into an adult state. *Cell reports*, 43(6), 114339.

Keary KM, et al. (2023) Dendritic distribution of autophagosomes underlies pathway-selective induction of LTD. *Cell reports*, 42(8), 112898.

Zhang T, et al. (2023) Autophagy collaborates with apoptosis pathways to control oligodendrocyte number. *Cell reports*, 42(8), 112943.

Kuijpers M, et al. (2021) Neuronal Autophagy Regulates Presynaptic Neurotransmission by Controlling the Axonal Endoplasmic Reticulum. *Neuron*, 109(2), 299.

Bressan C, et al. (2020) The dynamic interplay between ATP/ADP levels and autophagy sustain neuronal migration in vivo. *eLife*, 9.

Nikoletopoulou V, et al. (2017) Modulation of Autophagy by BDNF Underlies Synaptic Plasticity. *Cell metabolism*, 26(1), 230.

Riffelmacher T, et al. (2017) Autophagy-Dependent Generation of Free Fatty Acids Is Critical for Normal Neutrophil Differentiation. *Immunity*, 47(3), 466.