

# Resource Summary Report

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

## C57BL/6J-Tg(CAG-GFP/LC3/RFP/LC3\*<sub>delta</sub>G)2Nmz

RRID:IMSR\_RBRC09930

Type: Organism

### Proper Citation

RRID:IMSR\_RBRC09930

### Organism Information

**URL:** <https://brc.riken.jp/mus/RBRC09930>

**Proper Citation:** RRID:IMSR\_RBRC09930

**Description:** Mus musculus with name C57BL/6J-Tg(CAG-GFP/LC3/RFP/LC3\*<sub>delta</sub>G)2Nmz from IMSR.

**Species:** Mus musculus

**Synonyms:** C57BL/6J-Tg(CAG-GFP/LC3/RFP/LC3\*)2Nmz/Rbrc

**Notes:** gene symbol note: microtubule-associated protein 1 light chain 3 beta||transgene insertion 2; Noboru Mizushima; mutant strain: Map1lc3b||Tg(CAG-GFP/LC3/RFP/LC3\*>deltaG)2Nmz

**Affected Gene:** microtubule-associated protein 1 light chain 3 beta||transgene insertion 2; Noboru Mizushima

**Genomic Alteration:** microtubule-associated protein 1 light chain 3 beta||transgene insertion 2; Noboru Mizushima

**Catalog Number:** RBRC09930

**Database:** RIKEN BioResource Research Center

**Database Abbreviation:** RBRC

**Availability:** embryo

**Organism Name:** C57BL/6J-Tg(CAG-GFP/LC3/RFP/LC3\*<sub>delta</sub>G)2Nmz

**Record Creation Time:** 20250513T061517+0000

**Record Last Update:** 20260725T052203+0000

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## Ratings and Alerts

No rating or validation information has been found for C57BL/6J-Tg(CAG-GFP/LC3/RFP/LC3\*deltaG)2Nmz.

No alerts have been found for C57BL/6J-Tg(CAG-GFP/LC3/RFP/LC3\*deltaG)2Nmz.

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## Data and Source Information

**Source:** [Integrated Animals](#)

**Source Database:** RIKEN BioResource Research Center

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## Usage and Citation Metrics

We found 3 mentions in open access literature.

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

Shiheido-Watanabe Y, et al. (2023) Porphyromonas gingivalis, a periodontal pathogen, impairs post-infarcted myocardium by inhibiting autophagosome-lysosome fusion. International journal of oral science, 15(1), 42.

Baron O, et al. (2017) Stall in Canonical Autophagy-Lysosome Pathways Prompts Nucleophagy-Based Nuclear Breakdown in Neurodegeneration. Current biology : CB, 27(23), 3626.

Morselli E, et al. (2011) Spermidine and resveratrol induce autophagy by distinct pathways converging on the acetylproteome. The Journal of cell biology, 192(4), 615.