

# Resource Summary Report

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

## B6.Cg-Atg7<sup>tm1Tchi</sup>/TchiRbrc

RRID:IMSR\_RBRC02759

Type: Organism

### Proper Citation

RRID:IMSR\_RBRC02759

### Organism Information

**URL:** <https://brc.riken.jp/mus/RBRC02759>

**Proper Citation:** RRID:IMSR\_RBRC02759

**Description:** Mus musculus with name B6.Cg-Atg7<sup>tm1Tchi</sup>/TchiRbrc from IMSR.

**Species:** Mus musculus

**Notes:** gene symbol note: autophagy related 7; mutant stock: Atg7

**Affected Gene:** autophagy related 7

**Genomic Alteration:** targeted mutation 1; Tomoki Chiba

**Catalog Number:** RBRC02759

**Database:** RIKEN BioResource Research Center

**Database Abbreviation:** RBRC

**Availability:** embryo

**Organism Name:** B6.Cg-Atg7<sup>tm1Tchi</sup>/TchiRbrc

**Record Creation Time:** 20250513T061447+0000

**Record Last Update:** 20260905T052419+0000

### Ratings and Alerts

No rating or validation information has been found for B6.Cg-Atg7<sup>tm1Tchi</sup>/TchiRbrc.

No alerts have been found for B6.Cg-Atg7<sup>tm1Tchi</sup>/TchiRbrc.

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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 5 mentions in open access literature.

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

Chen H, et al. (2025) Impaired macroautophagy in oligodendrocyte precursor cells suppresses neuronal plasticity via a senescence-associated signaling. Science advances, 11(39), eadq7665.

Austin MC, et al. (2025) Dysfunctional  $\beta$ -cell autophagy induces  $\beta$ -cell stress and enhances islet immunogenicity. Frontiers in immunology, 16, 1504583.

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

Campos JC, et al. (2020)  $\beta_2$ -adrenoceptor activation improves skeletal muscle autophagy in neurogenic myopathy. FASEB journal : official publication of the Federation of American Societies for Experimental Biology, 34(4), 5628.

Hunn BHM, et al. (2019) Impairment of Macroautophagy in Dopamine Neurons Has Opposing Effects on Parkinsonian Pathology and Behavior. Cell reports, 29(4), 920.