

# Resource Summary Report

Generated by [NIF](#) on Sep 13, 2026

## STOCK Ptp<sup>rcb</sup> Thy1 Rictor/SjmJ

RRID:IMSR\_JAX:020649

Type: Organism

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### Proper Citation

RRID:IMSR\_JAX:020649

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### Organism Information

**URL:** <https://www.jax.org/strain/020649>

**Proper Citation:** RRID:IMSR\_JAX:020649

**Description:** Mus musculus with name STOCK Ptp<sup>rcb</sup> Thy1 [Rictor/SjmJ](#) from [IMSR](#).

**Species:** Mus musculus

**Synonyms:** STOCK Rictor/SjmJ. STOCK Rictor/SjmJ

**Notes:** gene symbol note: thymus cell antigen 1; theta|protein tyrosine phosphatase receptor type C|RPTOR independent companion of MTOR; complex 2; mutant stock: Thy1|Ptp<sup>rcb</sup>|Rictor

**Affected Gene:** thymus cell antigen 1; theta|protein tyrosine phosphatase receptor type C|RPTOR independent companion of MTOR; complex 2

**Genomic Alteration:** a variant|b variant|targeted mutation 1.1; Kun-Liang Guan

**Catalog Number:** JAX:020649

**Database:** JAX Mice and Services

**Database Abbreviation:** JAX

**Availability:** sperm

**Organism Name:** STOCK Ptp<sup>rcb</sup> Thy1 [Rictor/SjmJ](#)

**Record Creation Time:** 20250513T053741+0000

**Record Last Update:** 20260912T060527+0000

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### Ratings and Alerts

No rating or validation information has been found for STOCK Ptprc<sup>b</sup> Thy1 [Rictor/SjmJ](#).

No alerts have been found for STOCK Ptprc<sup>b</sup> Thy1 [Rictor/SjmJ](#).

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## Data and Source Information

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

**Source Database:** JAX Mice and Services

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## Usage and Citation Metrics

We found 11 mentions in open access literature.

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

Godale CM, et al. (2026) Cell-Intrinsic Regulation of Epilepsy-Associated Pathology by mTORC1 and mTORC2. The Journal of neuroscience : the official journal of the Society for Neuroscience, 46(17).

Godale CM, et al. (2022) Impact of Raptor and Rictor Deletion on Hippocampal Pathology Following Status Epilepticus. Journal of molecular neuroscience : MN, 72(6), 1243.

Bai X, et al. (2021) Diurnal regulation of oxidative phosphorylation restricts hepatocyte proliferation and inflammation. Cell reports, 36(10), 109659.

Gerlach BD, et al. (2021) Efferocytosis induces macrophage proliferation to help resolve tissue injury. Cell metabolism, 33(12), 2445.

Saucisse N, et al. (2021) Functional heterogeneity of POMC neurons relies on mTORC1 signaling. Cell reports, 37(2), 109800.

Hsiao WY, et al. (2020) The Lipid Handling Capacity of Subcutaneous Fat Is Programmed by mTORC2 during Development. Cell reports, 33(1), 108223.

Cai Y, et al. (2019) Differential Roles of the mTOR-STAT3 Signaling in Dermal ?? T Cell Effector Function in Skin Inflammation. Cell reports, 27(10), 3034.

García-Gil A, et al. (2018) SopB activates the Akt-YAP pathway to promote Salmonella survival within B cells. Virulence, 9(1), 1390.

Wu CC, et al. (2017) mTORC1-Mediated Inhibition of 4EBP1 Is Essential for Hedgehog Signaling-Driven Translation and Medulloblastoma. Developmental cell, 43(6), 673.

Xu L, et al. (2017) The Kinase mTORC1 Promotes the Generation and Suppressive Function of Follicular Regulatory T Cells. Immunity, 47(3), 538.

Porter SN, et al. (2016) Fetal and neonatal hematopoietic progenitors are functionally and transcriptionally resistant to Flt3-ITD mutations. eLife, 5.