Resource Summary Report

Generated by kravitz2 on Aug 1, 2026

STOCK Ptprc^{b} Thy1 Rictor/SjmJ

RRID:IMSR_JAX:020649
Type: Organism

Proper Citation

RRID:IMSR_JAX:020649

Organism Information

URL: https://www.jax.org/strain/020649

Proper Citation: RRID:IMSR_JAX:020649

Description: Mus musculus with name STOCK Ptprc^{b} 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|Ptprc|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 Ptprc^{b} Thy1 Rictor/SjmJ

Record Creation Time: 20250513T053741+0000

Record Last Update: 20260801T050449+0000

Ratings and Alerts

No rating or validation information has been found for STOCK Ptprc^{b} Thy1 Rictor/SjmJ.

No alerts have been found for STOCK Ptprc^{b} Thy1 Rictor/SjmJ.

Data and Source Information

Source: Integrated Animals

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 10 mentions in open access literature.

Listed below are recent publications. The full list is available at kravitz2 .

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.