

Resource Summary Report

Generated by [NIF](#) on Sep 5, 2026

STOCK Stk4^{tm1.1Rjo} Stk3/J

RRID:IMSR_JAX:017635

Type: Organism

Proper Citation

RRID:IMSR_JAX:017635

Organism Information

URL: <https://www.jax.org/strain/017635>

Proper Citation: RRID:IMSR_JAX:017635

Description: Mus musculus with name STOCK Stk4^{tm1.1Rjo} Stk3/J from IMSR.

Species: Mus musculus

Notes: gene symbol note: serine/threonine kinase 3|serine/threonine kinase 4; mutant stock: Stk3|Stk4

Affected Gene: serine/threonine kinase 3|serine/threonine kinase 4

Genomic Alteration: targeted mutation 1.1; Randy L Johnson

Catalog Number: JAX:017635

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: sperm

Organism Name: STOCK Stk4^{tm1.1Rjo} Stk3/J

Record Creation Time: 20250513T053733+0000

Record Last Update: 20260905T044516+0000

Ratings and Alerts

No rating or validation information has been found for STOCK Stk4^{tm1.1Rjo} Stk3/J.

No alerts have been found for STOCK Stk4^{tm1.1Rjo} Stk3/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 13 mentions in open access literature.

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

Liu Y, et al. (2025) Disrupting bile acid metabolism by suppressing Fxr causes hepatocellular carcinoma induced by YAP activation. Nature communications, 16(1), 3583.

Warren R, et al. (2024) Cell competition drives bronchiolization and pulmonary fibrosis. Nature communications, 15(1), 10624.

Warren R, et al. (2024) Cell competition drives bronchiolization and pulmonary fibrosis. Research square.

Lin TY, et al. (2023) Epinephrine inhibits PI3K?? via the Hippo kinases. Cell reports, 42(12), 113535.

Warren R, et al. (2023) Hippo signaling impairs alveolar epithelial regeneration in pulmonary fibrosis. eLife, 12.

Yang J, et al. (2022) Mst1/2 Is Necessary for Satellite Cell Differentiation to Promote Muscle Regeneration. Stem cells (Dayton, Ohio), 40(1), 74.

Abou Nader N, et al. (2022) Effect of Inactivation of Mst1 and Mst2 in the Mouse Adrenal Cortex. Journal of the Endocrine Society, 7(1), bvac143.

Gokey JJ, et al. (2021) YAP regulates alveolar epithelial cell differentiation and AGER via NFIB/KLF5/NKX2-1. iScience, 24(9), 102967.

Lodge EJ, et al. (2019) Homeostatic and tumourigenic activity of SOX2+ pituitary stem cells is controlled by the LATS/YAP/TAZ cascade. eLife, 8.

Shi H, et al. (2018) Hippo Kinases Mst1 and Mst2 Sense and Amplify IL-2R-STAT5 Signaling in Regulatory T Cells to Establish Stable Regulatory Activity. Immunity, 49(5), 899.

Hu JK, et al. (2017) An FAK-YAP-mTOR Signaling Axis Regulates Stem Cell-Based Tissue Renewal in Mice. Cell stem cell, 21(1), 91.

Volckaert T, et al. (2017) Fgf10-Hippo Epithelial-Mesenchymal Crosstalk Maintains and Recruits Lung Basal Stem Cells. Developmental cell, 43(1), 48.

Kwan J, et al. (2016) DLG5 connects cell polarity and Hippo signaling protein networks by linking PAR-1 with MST1/2. Genes & development, 30(24), 2696.