

Resource Summary Report

Generated by [kravitz2](#) on Jul 31, 2026

STOCK Sox2^{tm1.1Lan}/J

RRID:IMSR_JAX:013093

Type: Organism

Proper Citation

RRID:IMSR_JAX:013093

Organism Information

URL: <https://www.jax.org/strain/013093>

Proper Citation: RRID:IMSR_JAX:013093

Description: Mus musculus with name STOCK Sox2^{tm1.1Lan}/J from IMSR.

Species: Mus musculus

Notes: gene symbol note: SRY (sex determining region Y)-box 2; mutant stock: Sox2

Affected Gene: SRY (sex determining region Y)-box 2

Genomic Alteration: targeted mutation 1.1; Richard A Lang

Catalog Number: JAX:013093

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: sperm

Organism Name: STOCK Sox2^{tm1.1Lan}/J

Record Creation Time: 20250513T053723+0000

Record Last Update: 20260725T044433+0000

Ratings and Alerts

No rating or validation information has been found for STOCK Sox2^{tm1.1Lan}/J.

No alerts have been found for STOCK Sox2^{tm1.1Lan}/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 15 mentions in open access literature.

Listed below are recent publications. The full list is available at [kravitz2](#) .

Xiao H, et al. (2025) Uncovering minimal pathways in melanoma initiation. Nature communications, 16(1), 5369.

Wang Y, et al. (2022) SOX2 is essential for astrocyte maturation and its deletion leads to hyperactive behavior in mice. Cell reports, 41(12), 111842.

Ng KJ, et al. (2022) Sox2 in the dermal papilla regulates hair follicle pigmentation. Cell reports, 40(3), 111100.

Tai W, et al. (2021) In vivo reprogramming of NG2 glia enables adult neurogenesis and functional recovery following spinal cord injury. Cell stem cell, 28(5), 923.

Xie C, et al. (2021) Endoderm development requires centrioles to restrain p53-mediated apoptosis in the absence of ERK activity. Developmental cell, 56(24), 3334.

Stone JS, et al. (2021) The transcription factor Sox2 is required to maintain the cell type-specific properties and innervation of type II vestibular hair cells in adult mice. The Journal of neuroscience : the official journal of the Society for Neuroscience, 41(29), 6217.

Ohmoto M, et al. (2020) SOX2 regulates homeostasis of taste bud cells and lingual epithelial cells in posterior tongue. PLoS one, 15(10), e0240848.

Chen C, et al. (2019) Astrocyte-Specific Deletion of Sox2 Promotes Functional Recovery After Traumatic Brain Injury. Cerebral cortex (New York, N.Y. : 1991), 29(1), 54.

Yang LM, et al. (2019) Sox2 and FGF20 interact to regulate organ of Corti hair cell and supporting cell development in a spatially-graded manner. PLoS genetics, 15(7), e1008254.

Zhang S, et al. (2018) Sox2 Is Essential for Oligodendroglial Proliferation and Differentiation during Postnatal Brain Myelination and CNS Remyelination. The Journal of neuroscience : the official journal of the Society for Neuroscience, 38(7), 1802.

Frum T, et al. (2018) HIPPO signaling resolves embryonic cell fate conflicts during establishment of pluripotency in vivo. eLife, 7.

Trisno SL, et al. (2018) Esophageal Organoids from Human Pluripotent Stem Cells Delineate Sox2 Functions during Esophageal Specification. Cell stem cell, 23(4), 501.

Moon KH, et al. (2018) Differential Expression of NF2 in Neuroepithelial Compartments Is Necessary for Mammalian Eye Development. *Developmental cell*, 44(1), 13.

Lin B, et al. (2017) Injury Induces Endogenous Reprogramming and Dedifferentiation of Neuronal Progenitors to Multipotency. *Cell stem cell*, 21(6), 761.

Guihard PJ, et al. (2016) Endothelial-Mesenchymal Transition in Vascular Calcification of *Ins2Akita/+* Mice. *PloS one*, 11(12), e0167936.