

Resource Summary Report

Generated by [Kravitz](#) on Sep 19, 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: 20260919T054911+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 16 mentions in open access literature.

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

Cassin J, et al. (2026) Haploinsufficiency of Sox2 causes fewer GnRH neurons and delayed puberty in mice. *Endocrinology*, 167(2).

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.

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

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.

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.