

Resource Summary Report

Generated by [NIF](#) on Aug 12, 2026

B6.129S7-Atoh1^{tm3Hzo}/J

RRID:IMSR_JAX:008681

Type: Organism

Proper Citation

RRID:IMSR_JAX:008681

Organism Information

URL: <https://www.jax.org/strain/008681>

Proper Citation: RRID:IMSR_JAX:008681

Description: Mus musculus with name B6.129S7-Atoh1^{tm3Hzo}/J from IMSR.

Species: Mus musculus

Notes: gene symbol note: atonal bHLH transcription factor 1; congenic strain: Atoh1

Affected Gene: atonal bHLH transcription factor 1

Genomic Alteration: targeted mutation 3; Huda Y Zoghbi

Catalog Number: JAX:008681

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: sperm

Organism Name: B6.129S7-Atoh1^{tm3Hzo}/J

Record Creation Time: 20250513T053710+0000

Record Last Update: 20260808T050916+0000

Ratings and Alerts

No rating or validation information has been found for B6.129S7-Atoh1^{tm3Hzo}/J.

No alerts have been found for B6.129S7-Atoh1^{tm3Hzo}/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 7 mentions in open access literature.

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

Bhattacharya S, et al. (2025) Intestinal secretory differentiation reflects niche-driven phenotypic and epigenetic plasticity of a common signal-responsive terminal cell. *Cell stem cell*, 32(6), 952.

Clary RC, et al. (2023) Spatiotemporal dynamics of sensory neuron and Merkel-cell remodeling are decoupled during epidermal homeostasis. *bioRxiv : the preprint server for biology*.

Kraicz J, et al. (2023) Graded BMP signaling within intestinal crypt architecture directs self-organization of the Wnt-secreting stem cell niche. *Cell stem cell*, 30(4), 433.

Cadilhac C, et al. (2021) Excitatory granule neuron precursors orchestrate laminar localization and differentiation of cerebellar inhibitory interneuron subtypes. *Cell reports*, 34(13), 108904.

Herring CA, et al. (2018) Unsupervised Trajectory Analysis of Single-Cell RNA-Seq and Imaging Data Reveals Alternative Tuft Cell Origins in the Gut. *Cell systems*, 6(1), 37.

Hoffman BU, et al. (2018) Merkel Cells Activate Sensory Neural Pathways through Adrenergic Synapses. *Neuron*, 100(6), 1401.

Jadhav U, et al. (2017) Dynamic Reorganization of Chromatin Accessibility Signatures during Dedifferentiation of Secretory Precursors into Lgr5+ Intestinal Stem Cells. *Cell stem cell*, 21(1), 65.