Resource Summary Report

Generated by FDI Lab - SciCrunch.org on Apr 17, 2025

B6.129S7-Atoh1^{tm2Hzo}/J

RRID:IMSR_JAX:005970
Type: Organism

Proper Citation

RRID:IMSR_JAX:005970

Organism Information

URL: https://www.jax.org/strain/005970

Proper Citation: RRID:IMSR_JAX:005970

Description: Mus musculus with name B6.129S7-Atoh1^{tm2Hzo}/J from IMSR.

Species: Mus musculus

Notes: gene symbol note: atonal bHLH transcription factor 1|beta-galactosidase|atonal bHLH transcription factor 1|beta-galactosidase; mutant strain: Atoh1|lacZ|Atoh1|lacZ

Affected Gene: atonal bHLH transcription factor 1|beta-galactosidase|atonal bHLH transcription factor 1|beta-galactosidase

Genomic Alteration: targeted mutation 2; Huda Y Zoghbi

Catalog Number: JAX:005970

Database: International Mouse Resource Center IMSR, JAX

Database Abbreviation: IMSR

Availability: embryo

Alternate IDs: IMSR_JAX:5970

Organism Name: B6.129S7-Atoh1^{tm2Hzo}/J

Record Creation Time: 20230509T193249+0000

Record Last Update: 20250412T090347+0000

Ratings and Alerts

No rating or validation information has been found for B6.129S7-Atoh1^{tm2Hzo}/J.

No alerts have been found for B6.129S7-Atoh1^{tm2Hzo}/J.

Data and Source Information

Source: Integrated Animals

Source Database: International Mouse Resource Center IMSR, JAX

Usage and Citation Metrics

We found 5 mentions in open access literature.

Listed below are recent publications. The full list is available at FDI Lab - SciCrunch.org.

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.

Jenkins BA, et al. (2019) The cellular basis of mechanosensory Merkel-cell innervation during development. eLife, 8.

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

van der Heijden ME, et al. (2018) Loss of Atoh1 from neurons regulating hypoxic and hypercapnic chemoresponses causes neonatal respiratory failure in mice. eLife, 7.

Klisch TJ, et al. (2017) Jak2-mediated phosphorylation of Atoh1 is critical for medulloblastoma growth. eLife, 6.