Resource Summary Report

Generated by FDI Lab - SciCrunch.org on Mar 31, 2025

STOCK Smo^{tm2Amc}/J

RRID:IMSR_JAX:004526
Type: Organism

Proper Citation

RRID:IMSR_JAX:004526

Organism Information

URL: https://www.jax.org/strain/004526

Proper Citation: RRID:IMSR_JAX:004526

Description: Mus musculus with name STOCK Smo^{tm2Amc}/J from IMSR.

Species: Mus musculus

Synonyms: STOCK Smoh

Notes: gene symbol note: beta-galactosidase|smoothened; frizzled class receptor; mutant stock: lacZ|Smo

Affected Gene: beta-galactosidase|smoothened; frizzled class receptor

Genomic Alteration: targeted mutation 2; Andrew P McMahon

Catalog Number: JAX:004526

Database: International Mouse Resource Center IMSR, JAX

Database Abbreviation: IMSR

Availability: sperm

Alternate IDs: IMSR_JAX:4526

Organism Name: STOCK Smo^{tm2Amc}/J

Record Creation Time: 20230509T193244+0000

Record Last Update: 20240104T174815+0000

Ratings and Alerts

No rating or validation information has been found for STOCK Smo^{tm2Amc}/J.

No alerts have been found for STOCK Smo^{tm2Amc}/J.

Data and Source Information

Source: Integrated Animals

Source Database: International Mouse Resource Center IMSR, JAX

Usage and Citation Metrics

We found 17 mentions in open access literature.

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

Pritchard JE, et al. (2024) Non-canonical Hedgehog signaling mediates profibrotic hematopoiesis-stroma crosstalk in myeloproliferative neoplasms. Cell reports, 43(1), 113608.

Roberson EC, et al. (2023) Hedgehog signaling is required for endometrial remodeling and myometrial homeostasis in the cycling mouse uterus. iScience, 26(10), 107993.

Maeso-Díaz R, et al. (2022) Aging reduces liver resiliency by dysregulating Hedgehog signaling. Aging cell, 21(2), e13530.

Serowoky MA, et al. (2022) A murine model of large-scale bone regeneration reveals a selective requirement for Sonic Hedgehog. NPJ Regenerative medicine, 7(1), 30.

Deepe RN, et al. (2022) Sox9 Expression in the Second Heart Field; A Morphological Assessment of the Importance to Cardiac Development with Emphasis on Atrioventricular Septation. Journal of cardiovascular development and disease, 9(11).

Chakrabarti J, et al. (2022) Sonic Hedgehog acts as a macrophage chemoattractant during regeneration of the gastric epithelium. NPJ Regenerative medicine, 7(1), 3.

Hanna J, et al. (2022) Cell-autonomous Hedgehog signaling controls Th17 polarization and pathogenicity. Nature communications, 13(1), 4075.

Lyu H, et al. (2022) Niche-mediated repair of airways is directed in an occupant-dependent manner. Cell reports, 41(12), 111863.

Malave L, et al. (2021) Dopaminergic co-transmission with sonic hedgehog inhibits abnormal

involuntary movements in models of Parkinson's disease and L-Dopa induced dyskinesia. Communications biology, 4(1), 1071.

Shwartz Y, et al. (2020) Cell Types Promoting Goosebumps Form a Niche to Regulate Hair Follicle Stem Cells. Cell, 182(3), 578.

Xu X, et al. (2020) Stage-specific regulation of oligodendrocyte development by Hedgehog signaling in the spinal cord. Glia, 68(2), 422.

Zhang Y, et al. (2020) Cortical Neural Stem Cell Lineage Progression Is Regulated by Extrinsic Signaling Molecule Sonic Hedgehog. Cell reports, 30(13), 4490.

Kuwahara ST, et al. (2019) Sox9+ messenger cells orchestrate large-scale skeletal regeneration in the mammalian rib. eLife, 8.

Kim S, et al. (2019) Epigenetic regulation of mammalian Hedgehog signaling to the stroma determines the molecular subtype of bladder cancer. eLife, 8.

Bar C, et al. (2019) Polycomb Repressive Complex 1 Controls Maintenance of Fungiform Papillae by Repressing Sonic Hedgehog Expression. Cell reports, 28(1), 257.

Kim J, et al. (2017) Thymosin beta-4 regulates activation of hepatic stellate cells via hedgehog signaling. Scientific reports, 7(1), 3815.

Shimo T, et al. (2016) The Role of Sonic Hedgehog Signaling in Osteoclastogenesis and Jaw Bone Destruction. PloS one, 11(3), e0151731.