Resource Summary Report

Generated by FDI Lab - SciCrunch.org on Apr 8, 2025

STOCK Gt(ROSA)26Sor$^{tm1(Smo/EYFP)Amc}$/J

RRID:IMSR_JAX:005130
Type: Organism

Proper Citation

RRID:IMSR_JAX:005130

Organism Information

URL: https://www.jax.org/strain/005130

Proper Citation: RRID:IMSR_JAX:005130

Description: Mus musculus with name STOCK Gt(ROSA)26Sor$^{tm1(Smo/EYFP)Amc}$/J from IMSR.

Species: Mus musculus

Synonyms: STOCK Gt(ROSA)26Sor/J

Notes: gene symbol note: |gene trap ROSA 26; Philippe Soriano; mutant stock: |Gt(ROSA)26Sor

Affected Gene: |gene trap ROSA 26; Philippe Soriano

Genomic Alteration: targeted mutation 1; Andrew P McMahon

Catalog Number: JAX:005130

Database: International Mouse Resource Center IMSR, JAX

Database Abbreviation: IMSR

Availability: live

Alternate IDs: IMSR_JAX:5130

Organism Name: STOCK Gt(ROSA)26Sor$^{tm1(Smo/EYFP)Amc}$/J

Record Creation Time: 20230509T193246+0000

Record Last Update: 20250407T165733+0000

Ratings and Alerts

No rating or validation information has been found for STOCK Gt(ROSA)26Sor$^{tm1(Smo/EYFP)Amc}/J$.

No alerts have been found for STOCK Gt(ROSA)26Sor$^{tm1(Smo/EYFP)Amc}/J$.

Data and Source Information

Source: Integrated Animals

Source Database: International Mouse Resource Center IMSR, JAX

Usage and Citation Metrics

We found 26 mentions in open access literature.

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

Hwang GH, et al. (2024) A Benzarone Derivative Inhibits EYA to Suppress Tumor Growth in SHH Medulloblastoma. Cancer research, 84(6), 872.

Malawsky DS, et al. (2023) Chronic AMPK inactivation slows SHH medulloblastoma progression by inhibiting mTORC1 signaling and depleting tumor stem cells. iScience, 26(12), 108443.

Trieu KG, et al. (2022) Basal cell carcinomas acquire secondary mutations to overcome dormancy and progress from microscopic to macroscopic disease. Cell reports, 39(5), 110779.

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

Zhu J, et al. (2022) Sonic hedgehog is not a limb morphogen but acts as a trigger to specify all digits in mice. Developmental cell, 57(17), 2048.

George J, et al. (2022) Cancer stem cells, not bulk tumor cells, determine mechanisms of resistance to SMO inhibitors. Cancer research communications, 2(6), 402.

Li W, et al. (2022) Dendritic Inhibition by Shh Signaling-Dependent Stellate Cell Pool Is Critical for Motor Learning. The Journal of neuroscience : the official journal of the Society for Neuroscience, 42(26), 5130.

Eyermann CE, et al. (2021) ?N63 suppresses the ability of pregnancy-identified mammary epithelial cells (PIMECs) to drive HER2-positive breast cancer. Cell death & disease, 12(6), 525.

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.

Vercauteren Drubbel A, et al. (2021) Reactivation of the Hedgehog pathway in esophageal progenitors turns on an embryonic-like program to initiate columnar metaplasia. Cell stem cell, 28(8), 1411.

Niesen J, et al. (2020) Pik3ca mutations significantly enhance the growth of SHH medulloblastoma and lead to metastatic tumour growth in a novel mouse model. Cancer letters, 477, 10.

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

Brooks ER, et al. (2020) Sonic hedgehog signaling directs patterned cell remodeling during cranial neural tube closure. eLife, 9.

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

Aiello G, et al. (2019) Truncated BRPF1 Cooperates with Smoothened to Promote Adult Shh Medulloblastoma. Cell reports, 29(12), 4036.

Noguchi H, et al. (2019) Suppressor of fused controls perinatal expansion and quiescence of future dentate adult neural stem cells. eLife, 8.

Frik J, et al. (2018) Cross-talk between monocyte invasion and astrocyte proliferation regulates scarring in brain injury. EMBO reports, 19(5).

El Nagar S, et al. (2018) Otx2 promotes granule cell precursor proliferation and Shh-dependent medulloblastoma maintenance in vivo. Oncogenesis, 7(8), 60.

Drummond CJ, et al. (2018) Hedgehog Pathway Drives Fusion-Negative Rhabdomyosarcoma Initiated From Non-myogenic Endothelial Progenitors. Cancer cell, 33(1), 108.

Merk DJ, et al. (2018) Opposing Effects of CREBBP Mutations Govern the Phenotype of Rubinstein-Taybi Syndrome and Adult SHH Medulloblastoma. Developmental cell, 44(6), 709.