Resource Summary Report

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B6;129S-Gt(ROSA)26Sor$^{tm34.1(CAG-Syp/tdTomato)Hze}$/J

RRID:IMSR_JAX:012570
Type: Organism

Proper Citation

RRID:IMSR_JAX:012570

Organism Information

URL: https://www.jax.org/strain/012570

Proper Citation: RRID:IMSR_JAX:012570

Description: Mus musculus with name B6;129S-Gt(ROSA)26Sor$^{tm34.1(CAG-Syp/tdTomato)Hze}$/J from IMSR.

Species: Mus musculus

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

Affected Gene: synaptophysin||gene trap ROSA 26; Philippe Soriano

Genomic Alteration: targeted mutation 34.1; Hongkui Zeng

Catalog Number: JAX:012570

Database: International Mouse Resource Center IMSR, JAX

Database Abbreviation: IMSR

Availability: sperm

Alternate IDs: IMSR_JAX:12570

Organism Name: B6;129S-Gt(ROSA)26Sor$^{tm34.1(CAG-Syp/tdTomato)Hze}$/J

Record Creation Time: 20230509T193304+0000

Record Last Update: 20250407T165800+0000

Ratings and Alerts

No rating or validation information has been found for B6;129S-Gt(ROSA)26Sor$^{tm34.1(CAG-Syp/tdTomato)Hze}/J$.

No alerts have been found for B6;129S-Gt(ROSA)26Sor$^{tm34.1(CAG-Syp/tdTomato)Hze}/J$.

Data and Source Information

Source: Integrated Animals

Source Database: International Mouse Resource Center IMSR, JAX

Usage and Citation Metrics

We found 31 mentions in open access literature.

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

Gradwell MA, et al. (2024) Multimodal sensory control of motor performance by glycinergic interneurons of the mouse spinal cord deep dorsal horn. Neuron.

Dubanet O, et al. (2024) Retrosplenial inputs drive visual representations in the medial entorhinal cortex. Cell reports, 43(7), 114470.

van Oostrum M, et al. (2023) The proteomic landscape of synaptic diversity across brain regions and cell types. Cell, 186(24), 5411.

Favuzzi E, et al. (2021) GABA-receptive microglia selectively sculpt developing inhibitory circuits. Cell, 184(15), 4048.

Ueta Y, et al. (2021) Electrophysiological and anatomical characterization of synaptic remodeling in the mouse whisker thalamus. STAR protocols, 2(3), 100743.

Ueta Y, et al. (2021) Brainstem local microglia induce whisker map plasticity in the thalamus after peripheral nerve injury. Cell reports, 34(10), 108823.

Lehnert BP, et al. (2021) Mechanoreceptor synapses in the brainstem shape the central representation of touch. Cell, 184(22), 5608.

Jiang H, et al. (2020) MCH Neurons Regulate Permeability of the Median Eminence Barrier. Neuron, 107(2), 306.

Wang M, et al. (2020) Multiple Morphological Factors Underlie Experience-Dependent Cross-Modal Plasticity in the Developing Sensory Cortices. Cerebral cortex (New York, N.Y. : 1991), 30(4), 2418.

Brewer CL, et al. (2020) Neonatal Injury Evokes Persistent Deficits in Dynorphin Inhibitory Circuits within the Adult Mouse Superficial Dorsal Horn. The Journal of neuroscience : the official journal of the Society for Neuroscience, 40(20), 3882.

Biddinger JE, et al. (2020) Leptin suppresses development of GLP-1 inputs to the paraventricular nucleus of the hypothalamus. eLife, 9.

Cao H, et al. (2020) Retinoid X Receptor ? Regulates DHA-Dependent Spinogenesis and Functional Synapse Formation In Vivo. Cell reports, 31(7), 107649.

Luo L, et al. (2020) Optimizing Nervous System-Specific Gene Targeting with Cre Driver Lines: Prevalence of Germline Recombination and Influencing Factors. Neuron, 106(1), 37.

Chiang MC, et al. (2020) Divergent Neural Pathways Emanating from the Lateral Parabrachial Nucleus Mediate Distinct Components of the Pain Response. Neuron, 106(6), 927.

Turecek J, et al. (2020) Cerebellar and vestibular nuclear synapses in the inferior olive have distinct release kinetics and neurotransmitters. eLife, 9.

Boyle KA, et al. (2019) Defining a Spinal Microcircuit that Gates Myelinated Afferent Input: Implications for Tactile Allodynia. Cell reports, 28(2), 526.

Smith KM, et al. (2019) Calretinin positive neurons form an excitatory amplifier network in the spinal cord dorsal horn. eLife, 8.

MacKay H, et al. (2019) DNA methylation in AgRP neurons regulates voluntary exercise behavior in mice. Nature communications, 10(1), 5364.

Liu C, et al. (2018) Dopamine Secretion Is Mediated by Sparse Active Zone-like Release Sites. Cell, 172(4), 706.

Hayashi M, et al. (2018) Graded Arrays of Spinal and Supraspinal V2a Interneuron Subtypes Underlie Forelimb and Hindlimb Motor Control. Neuron, 97(4), 869.