

Resource Summary Report

Generated by [nidm-terms](#) on Aug 16, 2026

B6.129S2-Emx1^{tm1}(cre)Krl/J

RRID:IMSR_JAX:005628

Type: Organism

Proper Citation

RRID:IMSR_JAX:005628

Organism Information

URL: <https://www.jax.org/strain/005628>

Proper Citation: RRID:IMSR_JAX:005628

Description: Mus musculus with name B6.129S2-Emx1^{tm1}(cre)Krl/J from IMSR.

Species: Mus musculus

Synonyms: B6.Cg-Emx1/J. B6.129-Emx1/J

Notes: gene symbol note: empty spiracles homeobox 1; congenic strain: Emx1

Affected Gene: empty spiracles homeobox 1

Genomic Alteration: targeted mutation 1; Kevin R Jones

Catalog Number: JAX:005628

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: B6.129S2-Emx1^{tm1}(cre)Krl/J

Record Creation Time: 20250513T053651+0000

Record Last Update: 20260815T050559+0000

Ratings and Alerts

No rating or validation information has been found for B6.129S2-Emx1^{tm1}(cre)Krl/J.

No alerts have been found for B6.129S2-Emx1^{tm1}(cre)Krl/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 422 mentions in open access literature.

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

Fang Y, et al. (2026) TUT1-catalyzed U6 snRNA 3'-end maturation is essential for RNA splicing and stem cell survival. EMBO reports, 27(10), 2703.

Lambries R, et al. (2026) Histone demethylase KDM6B promotes postnatal oligodendrocyte maturation and cortical myelination. Frontiers in cellular neuroscience, 20, 1832157.

Zhao XF, et al. (2026) Diverse and location-specific roles of PlexinA2, PlexinA4, and NCAM in developing hippocampal mossy fibers. Translational psychiatry, 16(1).

Yu Y, et al. (2026) Visual information is broadcast among cortical areas in discrete channels. eLife, 13.

Chen XR, et al. (2026) Junction-mediating and regulatory protein (JMY) is a promoting protein for radial migration of cortical neurons. Cell death discovery, 12(1).

Wang ZA, et al. (2026) Brain-wide analysis reveals movement encoding structured across and within brain areas. Nature neuroscience, 29(1), 147.

Kornfeld-Sylla SS, et al. (2026) A human electrophysiological signature of Fragile X pathophysiology is shared in V1 of Fmr1-/y mice. Nature communications, 17(1), 1497.

Xia W, et al. (2026) Expansion of outer cortical CUX2 neurons requires adaptations for DNA repair. Nature, 653(8115), 819.

Fang Y, et al. (2026) Enhanced P-TEFb activity compromises dentate gyrus neurogenesis in mice. The EMBO journal, 45(9), 3102.

Cao X, et al. (2026) Cadherin 11 regulates presynaptic vesicle trafficking and neuronal activity in autism-related brain circuit. Molecular psychiatry, 31(1), 192.

Wang S, et al. (2026) Spatiotemporal transcriptomic profiling reveals upregulation of glycolysis pathway genes before overt tauopathy in the PS19 mouse model. Experimental & molecular medicine, 58(2), 548.

Watts JL, et al. (2026) Genetic dissection of the role of Piga and Pgap2 in the embryonic mouse brain. iScience, 29(6), 116299.

An X, et al. (2026) A cortical circuit for orchestrating oromaneal food manipulation. *Neuron*, 114(12), 2254.

Montgomery DP, et al. (2026) Circuit dynamics of binocular conflict in mouse primary visual cortex. *Frontiers in systems neuroscience*, 20, 1786396.

Mendes-Silva L, et al. (2026) Acute Depletion of Cited2 in Embryonic Stem Cells Disrupts Gene Networks Controlling Self-Renewal, Homeostasis, and Early Cell Fate Commitment. *Cells*, 15(5).

Niewoehner R, et al. (2026) Ttc21b is required for proper proliferation of neural progenitor cells. *Disease models & mechanisms*, 19(1).

Li Y, et al. (2026) Corticothalamic communication for action coordination in a skilled motor behavior. *Nature neuroscience*, 29(3), 660.

Shen J, et al. (2026) Anterior lateral motor cortex enables contextual decision-making via dynamic reconfiguration of local circuits. *Cell reports*, 45(6), 117456.

Wang X, et al. (2026) miR-151-5p regulates neural stem cell fate by targeting APO1A to modulate Notch signaling gradients. *Stem cell reports*, 21(6), 102927.

Peelman K, et al. (2026) A standardized and reproducible behavioral framework to elicit multiple aspects of visual spatial attention in mice. *Cell reports methods*, 101514.