

Resource Summary Report

Generated by [SPARC SAWG](#) on Aug 8, 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: 20260808T050853+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 [SPARC SAWG](#) .

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

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.

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-/- 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.