Resource Summary Report

Generated by FDI Lab - SciCrunch.org on Apr 17, 2025

B6.129-Ctnnb1^{tm2Kem}/KnwJ

RRID:IMSR_JAX:004152
Type: Organism

Proper Citation

RRID:IMSR_JAX:004152

Organism Information

URL: https://www.jax.org/strain/004152

Proper Citation: RRID:IMSR_JAX:004152

Description: Mus musculus with name B6.129-Ctnnb1^{tm2Kem}/KnwJ from IMSR.

Species: Mus musculus

Synonyms: B6.129-Catnb/J. B6.129-Ctnnb1/J

Notes: gene symbol note: catenin beta 1; mutant strain|congenic strain: Ctnnb1

Affected Gene: catenin beta 1

Genomic Alteration: targeted mutation 2; Rolf Kemler

Catalog Number: JAX:004152

Database: International Mouse Resource Center IMSR, JAX

Database Abbreviation: IMSR

Availability: live

Alternate IDs: IMSR_JAX:4152

Organism Name: B6.129-Ctnnb1^{tm2Kem}/KnwJ

Record Creation Time: 20230509T193243+0000

Record Last Update: 20250412T090308+0000

Ratings and Alerts

No rating or validation information has been found for B6.129-Ctnnb1^{tm2Kem}/KnwJ.

No alerts have been found for B6.129-Ctnnb1^{tm2Kem}/KnwJ.

Data and Source Information

Source: Integrated Animals

Source Database: International Mouse Resource Center IMSR, JAX

Usage and Citation Metrics

We found 35 mentions in open access literature.

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

Antoszewski M, et al. (2022) Tcf1 is essential for initiation of oncogenic Notch1-driven chromatin topology in T-ALL. Blood, 139(16), 2483.

Goodwin K, et al. (2022) Patterning the embryonic pulmonary mesenchyme. iScience, 25(3), 103838.

Kaplan MM, et al. (2022) Counteractive and cooperative actions of muscle ?-catenin and CaV1.1 during early neuromuscular synapse formation. iScience, 25(4), 104025.

Fujimori S, et al. (2022) Fine-tuning of ?-catenin in mouse thymic epithelial cells is required for postnatal T-cell development. eLife, 11.

Jeffery EC, et al. (2022) Bone marrow and periosteal skeletal stem/progenitor cells make distinct contributions to bone maintenance and repair. Cell stem cell, 29(11), 1547.

Zhou X, et al. (2021) Wnt/ß-catenin-mediated p53 suppression is indispensable for osteogenesis of mesenchymal progenitor cells. Cell death & disease, 12(6), 521.

Russell JP, et al. (2021) Pituitary stem cells produce paracrine WNT signals to control the expansion of their descendant progenitor cells. eLife, 10.

Tao F, et al. (2020) ?-Catenin and Associated Proteins Regulate Lineage Differentiation in Ground State Mouse Embryonic Stem Cells. Stem cell reports, 15(3), 662.

Ali A, et al. (2020) Cell Lineage Tracing Identifies Hormone-Regulated and Wnt-Responsive Vaginal Epithelial Stem Cells. Cell reports, 30(5), 1463.

Masson SWC, et al. (2020) ?-catenin regulates muscle glucose transport via actin remodelling and M-cadherin binding. Molecular metabolism, 42, 101091.

Syed SM, et al. (2020) Endometrial Axin2+ Cells Drive Epithelial Homeostasis, Regeneration, and Cancer following Oncogenic Transformation. Cell stem cell, 26(1), 64.

Sarode P, et al. (2020) Reprogramming of tumor-associated macrophages by targeting ?-catenin/FOSL2/ARID5A signaling: A potential treatment of lung cancer. Science advances, 6(23), eaaz6105.

Men Y, et al. (2020) Gli1+ Periodontium Stem Cells Are Regulated by Osteocytes and Occlusal Force. Developmental cell, 54(5), 639.

Vagnozzi AN, et al. (2020) Phrenic-specific transcriptional programs shape respiratory motor output. eLife, 9.

Moiseenko A, et al. (2020) Identification of a Repair-Supportive Mesenchymal Cell Population during Airway Epithelial Regeneration. Cell reports, 33(12), 108549.

Marneros AG, et al. (2020) AP-2?/KCTD1 Control Distal Nephron Differentiation and Protect against Renal Fibrosis. Developmental cell, 54(3), 348.

Li L, et al. (2020) UHRF2 promotes intestinal tumorigenesis through stabilization of TCF4 mediated Wnt/?-catenin signaling. International journal of cancer, 147(8), 2239.

Chen H, et al. (2019) Pten loss in Lgr5+ hair follicle stem cells promotes SCC development. Theranostics, 9(26), 8321.

Ru W, et al. (2019) Microglia Mediate HIV-1 gp120-Induced Synaptic Degeneration in Spinal Pain Neural Circuits. The Journal of neuroscience : the official journal of the Society for Neuroscience, 39(42), 8408.

Holguin N, et al. (2018) In-Vivo Nucleus Pulposus-Specific Regulation of Adult Murine Intervertebral Disc Degeneration via Wnt/Beta-Catenin Signaling. Scientific reports, 8(1), 11191.