

Resource Summary Report

Generated by [NIF](#) on Sep 17, 2026

B6.129S6(SJL)-Cdh2^{tm1Glr}/J

RRID:IMSR_JAX:007611

Type: Organism

Proper Citation

RRID:IMSR_JAX:007611

Organism Information

URL: <https://www.jax.org/strain/007611>

Proper Citation: RRID:IMSR_JAX:007611

Description: Mus musculus with name B6.129S6(SJL)-Cdh2^{tm1Glr}/J from IMSR.

Species: Mus musculus

Notes: gene symbol note: cadherin 2; mutant strain|congenic strain: Cdh2

Affected Gene: cadherin 2

Genomic Alteration: targeted mutation 1; Glenn L Radice

Catalog Number: JAX:007611

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: sperm

Organism Name: B6.129S6(SJL)-Cdh2^{tm1Glr}/J

Record Creation Time: 20250513T053702+0000

Record Last Update: 20260912T060448+0000

Ratings and Alerts

No rating or validation information has been found for B6.129S6(SJL)-Cdh2^{tm1Glr}/J.

No alerts have been found for B6.129S6(SJL)-Cdh2^{tm1Glr}/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 7 mentions in open access literature.

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

Zhang W, et al. (2023) Bone Metastasis Initiation Is Coupled with Bone Remodeling through Osteogenic Differentiation of NG2+ Cells. *Cancer discovery*, 13(2), 474.

Kann AP, et al. (2022) An injury-responsive Rac-to-Rho GTPase switch drives activation of muscle stem cells through rapid cytoskeletal remodeling. *Cell stem cell*, 29(6), 933.

Jiang D, et al. (2020) Injury triggers fascia fibroblast collective cell migration to drive scar formation through N-cadherin. *Nature communications*, 11(1), 5653.

Piprek RP, et al. (2019) N-Cadherin Is Critical for the Survival of Germ Cells, the Formation of Steroidogenic Cells, and the Architecture of Developing Mouse Gonads. *Cells*, 8(12).

Wang H, et al. (2018) The Osteogenic Niche Is a Calcium Reservoir of Bone Micrometastases and Confers Unexpected Therapeutic Vulnerability. *Cancer cell*, 34(5), 823.

Guan X, et al. (2014) E-cadherin can replace N-cadherin during secretory-stage enamel development. *PloS one*, 9(7), e102153.

Zhang J, et al. (2013) AKT activation by N-cadherin regulates beta-catenin signaling and neuronal differentiation during cortical development. *Neural development*, 8, 7.