

Resource Summary Report

Generated by [NIF](#) on Aug 26, 2026

B6.129(SJL)-Kcnk1^{tm1.1Barh}/Orl

RRID:IMSR_EM:02191

Type: Organism

Proper Citation

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Organism Information

URL: <https://www.infrafrontier.eu/emma/strain-details/?q=2191>

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Description: Mus musculus with name B6.129(SJL)-Kcnk1^{tm1.1Barh}/Orl from IMSR.

Species: Mus musculus

Synonyms: B6.Cg-Kcnk1/Orl. TWIK-1 KO

Notes: gene symbol note: potassium channel; subfamily K; member 1; mutant strain: Kcnk1

Affected Gene: potassium channel; subfamily K; member 1

Genomic Alteration: targeted mutation 1.1; Jacques Barhanin

Catalog Number: EM:02191

Database: European Mouse Mutant Archive

Database Abbreviation: EMMA

Availability: embryo

Organism Name: B6.129(SJL)-Kcnk1^{tm1.1Barh}/Orl

Record Creation Time: 20250513T062216+0000

Record Last Update: 20260815T055710+0000

Ratings and Alerts

No rating or validation information has been found for B6.129(SJL)-Kcnk1^{tm1.1Barh}/Orl.

No alerts have been found for B6.129(SJL)-Kcnk1^{tm1.1Barh}/Orl.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: European Mouse Mutant Archive

Usage and Citation Metrics

We found 1 mentions in open access literature.

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

Yang SY, et al. (2026) TWIK-1 plays distinct roles in spinal and peripheral sensory circuits controlling mechanical sensitivity and neuropathic hypersensitivity. Signal transduction and targeted therapy, 11(1).