Resource Summary Report

Generated by nidm-terms on Aug 5, 2026

B6.129(Cg)-Cntnap2^{tm1Pele}/J

RRID:IMSR_JAX:017482
Type: Organism

Proper Citation

RRID:IMSR_JAX:017482

Organism Information

URL: https://www.jax.org/strain/017482

Proper Citation: RRID:IMSR_JAX:017482

Description: Mus musculus with name B6.129(Cg)-Cntnap2^{tm1Pele}/J from IMSR.

Species: Mus musculus

Synonyms: B6.Cg-Cntnap2/J

Notes: gene symbol note: contactin associated protein-like 2; mutant strain|congenic strain: Cntnap2

Affected Gene: contactin associated protein-like 2

Genomic Alteration: targeted mutation 1; Elior Peles

Catalog Number: JAX:017482

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: B6.129(Cg)-Cntnap2^{tm1Pele}/J

Record Creation Time: 20250513T053732+0000

Record Last Update: 20260801T050450+0000

Ratings and Alerts

No rating or validation information has been found for B6.129(Cg)-Cntnap2^{tm1Pele}/J.

No alerts have been found for B6.129(Cg)-Cntnap2^{tm1Pele}/J.

Data and Source Information

Source: Integrated Animals

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 20 mentions in open access literature.

Listed below are recent publications. The full list is available at nidm-terms .

Lee Y, et al. (2025) Brain-wide mapping of immune receptors uncovers a neuromodulatory role of IL-17E and the receptor IL-17RB. Cell, 188(8), 2203.

Wang HC, et al. (2024) Degraded tactile coding in the Cntnap2 mouse model of autism. Cell reports, 43(8), 114612.

Al Abed AS, et al. (2024) Parvalbumin interneuron activity in autism underlies susceptibility to PTSD-like memory formation. iScience, 27(5), 109747.

Robinson BG, et al. (2023) Loss of ASD-Related Molecule Cntnap2 Affects Colonic Motility in Mice. bioRxiv : the preprint server for biology.

Wang HB, et al. (2023) Long wavelength light reduces the negative consequences of dim light at night. Neurobiology of disease, 176, 105944.

Sheppard K, et al. (2022) Stride-level analysis of mouse open field behavior using deep-learning-based pose estimation. Cell reports, 38(2), 110231.

Choe KY, et al. (2022) Oxytocin normalizes altered circuit connectivity for social rescue of the Cntnap2 knockout mouse. Neuron, 110(5), 795.

Otazu GH, et al. (2021) Neurodevelopmental malformations of the cerebellum and neocortex in the Shank3 and Cntnap2 mouse models of autism. Neuroscience letters, 765, 136257.

Williams B, et al. (2021) Spatial modulation of dark versus bright stimulus responses in the mouse visual system. Current biology : CB, 31(18), 4172.

Buffington SA, et al. (2021) Dissecting the contribution of host genetics and the microbiome in complex behaviors. Cell, 184(7), 1740.

Paterno R, et al. (2021) Hippocampal gamma and sharp-wave ripple oscillations are altered in a Cntnap2 mouse model of autism spectrum disorder. Cell reports, 37(6), 109970.

Del Rosario J, et al. (2021) Diminished Cortical Excitation and Elevated Inhibition During Perceptual Impairments in a Mouse Model of Autism. Cerebral cortex (New York, N.Y. :

1991), 31(7), 3462.

Bagnall-Moreau C, et al. (2020) In utero exposure to endogenous maternal polyclonal anti-Caspr2 antibody leads to behavioral abnormalities resembling autism spectrum disorder in male mice. Scientific reports, 10(1), 14446.

Wang HB, et al. (2020) Melatonin treatment of repetitive behavioral deficits in the Cntnap2 mouse model of autism spectrum disorder. Neurobiology of disease, 145, 105064.

Kim DG, et al. (2019) Social Interaction Test in Home Cage as a Novel and Ethological Measure of Social Behavior in Mice. Experimental neurobiology, 28(2), 247.

Angelakos CC, et al. (2019) Home-cage hypoactivity in mouse genetic models of autism spectrum disorder. Neurobiology of learning and memory, 165, 107000.

Brumback AC, et al. (2018) Identifying specific prefrontal neurons that contribute to autism-associated abnormalities in physiology and social behavior. Molecular psychiatry, 23(10), 2078.

Lauber E, et al. (2018) Dysregulation of Parvalbumin Expression in the Cntnap2-/- Mouse Model of Autism Spectrum Disorder. Frontiers in molecular neuroscience, 11, 262.

Saifetiarova J, et al. (2017) Axonal domain disorganization in Caspr1 and Caspr2 mutant myelinated axons affects neuromuscular junction integrity, leading to muscle atrophy. Journal of neuroscience research, 95(7), 1373.

Brunner D, et al. (2015) Comprehensive Analysis of the 16p11.2 Deletion and Null Cntnap2 Mouse Models of Autism Spectrum Disorder. PloS one, 10(8), e0134572.