Resource Summary Report

Generated by PRECISE-TBI on Jul 31, 2026

FVB.129P2-Pde6b^{+} Tyr/AntJ

RRID:IMSR_JAX:004828
Type: Organism

Proper Citation

RRID:IMSR_JAX:004828

Organism Information

URL: https://www.jax.org/strain/004828

Proper Citation: RRID:IMSR_JAX:004828

Description: Mus musculus with name FVB.129P2-Pde6b^{+} Tyr/AntJ from IMSR.

Species: Mus musculus

Synonyms: FVB/Ant

Notes: gene symbol note: phosphodiesterase 6B; cGMP; rod receptor; beta polypeptide|tyrosinase; mutant strain|congenic strain: Pde6b|Tyr

Affected Gene: phosphodiesterase 6B; cGMP; rod receptor; beta polypeptide|tyrosinase

Genomic Alteration: wild type|chinchilla

Catalog Number: JAX:004828

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: FVB.129P2-Pde6b^{+} Tyr/AntJ

Record Creation Time: 20250513T053646+0000

Record Last Update: 20260725T044356+0000

Ratings and Alerts

No rating or validation information has been found for FVB.129P2-Pde6b^{+} Tyr/AntJ.

No alerts have been found for FVB.129P2-Pde6b^{+} Tyr/AntJ.

Data and Source Information

Source: Integrated Animals

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 17 mentions in open access literature.

Listed below are recent publications. The full list is available at PRECISE-TBI .

Han M, et al. (2025) Glycosaminoglycan sugar side chains on perineuronal nets in the fastigial nucleus regulate motor skills. iScience, 28(8), 112952.

Tuma J, et al. (2025) Altered olfactory responses in Fmr1 KO mice. Scientific reports, 15(1), 2952.

Zhang S, et al. (2025) Therapeutic GSK-3? targeting stabilizes multifunctional ?-catenin to rescue neuronal and behavioral deficits in fragile X messenger ribonucleoprotein 1 knockout mice. Brain research bulletin, 235, 111710.

Deng PY, et al. (2024) Circuit-based intervention corrects excessive dentate gyrus output in the fragile X mouse model. eLife, 12.

Louros SR, et al. (2023) Excessive proteostasis contributes to pathology in fragile X syndrome. Neuron, 111(4), 508.

Lindenmaier Z, et al. (2022) Examining the effect of chronic intranasal oxytocin administration on the neuroanatomy and behavior of three autism-related mouse models. NeuroImage, 257, 119243.

Deng PY, et al. (2022) FMRP regulates GABAA receptor channel activity to control signal integration in hippocampal granule cells. Cell reports, 39(7), 110820.

Layman E, et al. (2022) Protocol for assessing phagocytosis activity in cultured primary murine microglia. STAR protocols, 3(4), 101881.

Hwang JY, et al. (2022) CPEB3-dependent increase in GluA2 subunits impairs excitatory transmission onto inhibitory interneurons in a mouse model of fragile X. Cell reports, 39(10), 110853.

Akula SK, et al. (2020) The trajectory of gait development in mice. Brain and behavior, 10(6), e01636.

Shore AN, et al. (2020) Reduced GABAergic Neuron Excitability, Altered Synaptic Connectivity, and Seizures in a KCNT1 Gain-of-Function Mouse Model of Childhood Epilepsy. Cell reports, 33(4), 108303.

Holderith N, et al. (2020) A High-Resolution Method for Quantitative Molecular Analysis of Functionally Characterized Individual Synapses. Cell reports, 32(4), 107968.

Licznerski P, et al. (2020) ATP Synthase c-Subunit Leak Causes Aberrant Cellular Metabolism in Fragile X Syndrome. Cell, 182(5), 1170.

Antoine MW, et al. (2019) Increased Excitation-Inhibition Ratio Stabilizes Synapse and Circuit Excitability in Four Autism Mouse Models. Neuron, 101(4), 648.

Kopp N, et al. (2019) Gtf2i and Gtf2ird1 mutation do not account for the full phenotypic effect of the Williams syndrome critical region in mouse models. Human molecular genetics, 28(20), 3443.

Boero LE, et al. (2018) Enhancement of the Medial Olivocochlear System Prevents Hidden Hearing Loss. The Journal of neuroscience : the official journal of the Society for Neuroscience, 38(34), 7440.

He CX, et al. (2017) Tactile Defensiveness and Impaired Adaptation of Neuronal Activity in the Fmr1 Knock-Out Mouse Model of Autism. The Journal of neuroscience : the official journal of the Society for Neuroscience, 37(27), 6475.