Resource Summary Report

Generated by NIF on Sep 8, 2026

B6.129P2-Mecp2^{tm2Bird}/J

RRID:IMSR_JAX:006849
Type: Organism

Proper Citation

RRID:IMSR_JAX:006849

Organism Information

URL: https://www.jax.org/strain/006849

Proper Citation: RRID:IMSR_JAX:006849

Description: Mus musculus with name B6.129P2-Mecp2^{tm2Bird}/J from IMSR.

Species: Mus musculus

Synonyms: B6;129P2-Mecp2/J

Notes: gene symbol note: methyl CpG binding protein 2; mutant strain|congenic strain: Mecp2

Affected Gene: methyl CpG binding protein 2

Genomic Alteration: targeted mutation 2; Adrian Bird

Catalog Number: JAX:006849

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: sperm

Organism Name: B6.129P2-Mecp2^{tm2Bird}/J

Record Creation Time: 20250513T053659+0000

Record Last Update: 20260905T044443+0000

Ratings and Alerts

No rating or validation information has been found for B6.129P2-Mecp2^{tm2Bird}/J.

No alerts have been found for B6.129P2-Mecp2^{tm2Bird}/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 .

Tillotson R, et al. (2021) Neuronal non-CG methylation is an essential target for MeCP2 function. Molecular cell, 81(6), 1260.

Cortelazzo A, et al. (2020) Brain protein changes in Mecp2 mouse mutant models: Effects on disease progression of Mecp2 brain specific gene reactivation. Journal of proteomics, 210, 103537.

Ward CS, et al. (2020) Loss of MeCP2 Function Across Several Neuronal Populations Impairs Breathing Response to Acute Hypoxia. Frontiers in neurology, 11, 593554.

Ross PD, et al. (2016) Exclusive expression of MeCP2 in the nervous system distinguishes between brain and peripheral Rett syndrome-like phenotypes. Human molecular genetics, 25(20), 4389.

De Felice C, et al. (2014) Oxidative brain damage in Mecp2-mutant murine models of Rett syndrome. Neurobiology of disease, 68(100), 66.

Nguyen MV, et al. (2013) Oligodendrocyte lineage cells contribute unique features to Rett syndrome neuropathology. The Journal of neuroscience : the official journal of the Society for Neuroscience, 33(48), 18764.

Derecki NC, et al. (2012) Wild-type microglia arrest pathology in a mouse model of Rett syndrome. Nature, 484(7392), 105.