Resource Summary Report

Generated by RRID on Aug 2, 2026

B6.129S-Mecp2^{tm1Hzo}/J

RRID:IMSR_JAX:005439
Type: Organism

Proper Citation

RRID:IMSR_JAX:005439

Organism Information

URL: https://www.jax.org/strain/005439

Proper Citation: RRID:IMSR_JAX:005439

Description: Mus musculus with name B6.129S-Mecp2^{tm1Hzo}/J from IMSR.

Species: Mus musculus

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 1; Huda Y Zoghbi

Catalog Number: JAX:005439

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: B6.129S-Mecp2^{tm1Hzo}/J

Record Creation Time: 20250513T053650+0000

Record Last Update: 20260801T050354+0000

Ratings and Alerts

No rating or validation information has been found for B6.129S-Mecp2^{tm1Hzo}/J.

No alerts have been found for B6.129S-Mecp2^{tm1Hzo}/J.

Data and Source Information

Source: Integrated Animals

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 9 mentions in open access literature.

Listed below are recent publications. The full list is available at RRID .

Zuliani I, et al. (2020) The Anti-Diabetic Drug Metformin Rescues Aberrant Mitochondrial Activity and Restrains Oxidative Stress in a Female Mouse Model of Rett Syndrome. Journal of clinical medicine, 9(6).

Bertoldi ML, et al. (2019) MeCP2 Deficiency Disrupts Kainate-Induced Presynaptic Plasticity in the Mossy Fiber Projections in the Hippocampus. Frontiers in cellular neuroscience, 13, 286.

Cosentino L, et al. (2019) Methyl-CpG binding protein 2 functional alterations provide vulnerability to develop behavioral and molecular features of post-traumatic stress disorder in male mice. Neuropharmacology, 160, 107664.

Allemang-Grand R, et al. (2017) Neuroanatomy in mouse models of Rett syndrome is related to the severity of Mecp2 mutation and behavioral phenotypes. Molecular autism, 8, 32.

Cortelazzo A, et al. (2017) Persistent Unresolved Inflammation in the Mecp2-308 Female Mutated Mouse Model of Rett Syndrome. Mediators of inflammation, 2017, 9467819.

Kloth AD, et al. (2015) Cerebellar associative sensory learning defects in five mouse autism models. eLife, 4, e06085.

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

Gambino F, et al. (2010) Synaptic maturation at cortical projections to the lateral amygdala in a mouse model of Rett syndrome. PloS one, 5(7), e11399.

Deng JV, et al. (2010) MeCP2 in the nucleus accumbens contributes to neural and behavioral responses to psychostimulants. Nature neuroscience, 13(9), 1128.