Resource Summary Report

Generated by FDI Lab - SciCrunch.org on Apr 20, 2025

Rabbit Anti-MeCP2 Monoclonal Antibody, Unconjugated, Clone D4F3

RRID:AB_2143849
Type: Antibody

Proper Citation

(Cell Signaling Technology Cat# 3456, RRID:AB_2143849)

Antibody Information

URL: http://antibodyregistry.org/AB_2143849

Proper Citation: (Cell Signaling Technology Cat# 3456, RRID:AB_2143849)

Target Antigen: MeCP2

Host Organism: rabbit

Clonality: monoclonal

Comments: Applications: W, IP, IHC-P, IF-IC, F. Consolidation on 10/2018: AB_10396620, AB_10828482, AB_2143849.

Antibody Name: Rabbit Anti-MeCP2 Monoclonal Antibody, Unconjugated, Clone D4F3

Description: This monoclonal targets MeCP2

Target Organism: monkey, rat, simian, mouse, human

Clone ID: Clone D4F3

Antibody ID: AB_2143849

Vendor: Cell Signaling Technology

Catalog Number: 3456

Record Creation Time: 20241017T001425+0000

Record Last Update: 20241017T015346+0000

Ratings and Alerts

No rating or validation information has been found for Rabbit Anti-MeCP2 Monoclonal Antibody, Unconjugated, Clone D4F3.

No alerts have been found for Rabbit Anti-MeCP2 Monoclonal Antibody, Unconjugated, Clone D4F3.

Data and Source Information

Source: Antibody Registry

Usage and Citation Metrics

We found 27 mentions in open access literature.

Listed below are recent publications. The full list is available at FDI Lab - SciCrunch.org.

Reautschnig P, et al. (2024) Precise in vivo RNA base editing with a wobble-enhanced circular CLUSTER guide RNA. Nature biotechnology.

Yang J, et al. (2024) Mecp2 fine-tunes quiescence exit by targeting nuclear receptors. eLife, 12.

Bajikar SS, et al. (2024) Modeling antisense oligonucleotide therapy in MECP2 duplication syndrome human iPSC-derived neurons reveals gene expression programs responsive to MeCP2 levels. Human molecular genetics.

Pehlivan D, et al. (2024) Structural variant allelic heterogeneity in MECP2 duplication syndrome provides insight into clinical severity and variability of disease expression. Genome medicine, 16(1), 146.

Mori M, et al. (2024) Generation of human induced pluripotent stem cell lines derived from four Rett syndrome patients with MECP2 mutations. Stem cell research, 77, 103432.

Kleene R, et al. (2023) The KDET Motif in the Intracellular Domain of the Cell Adhesion Molecule L1 Interacts with Several Nuclear, Cytoplasmic, and Mitochondrial Proteins Essential for Neuronal Functions. International journal of molecular sciences, 24(2).

Sun J, et al. (2023) Mutations in the transcriptional regulator MeCP2 severely impact key cellular and molecular signatures of human astrocytes during maturation. Cell reports, 42(1), 111942.

Loers G, et al. (2023) The Interactions of the 70 kDa Fragment of Cell Adhesion Molecule L1

with Topoisomerase 1, Peroxisome Proliferator-Activated Receptor ? and NADH Dehydrogenase (Ubiquinone) Flavoprotein 2 Are Involved in Gene Expression and Neuronal L1-Dependent Functions. International journal of molecular sciences, 24(3).

Bajikar SS, et al. (2023) MeCP2 regulates Gdf11, a dosage-sensitive gene critical for neurological function. eLife, 12.

Mykins M, et al. (2023) Wild-type MECP2 expression coincides with age-dependent sensory phenotypes in a female mouse model for Rett syndrome. Journal of neuroscience research, 101(8), 1236.

Sinnamon JR, et al. (2022) Targeted RNA editing in brainstem alleviates respiratory dysfunction in a mouse model of Rett syndrome. Proceedings of the National Academy of Sciences of the United States of America, 119(33), e2206053119.

He L, et al. (2022) A weakened recurrent circuit in the hippocampus of Rett syndrome mice disrupts long-term memory representations. Neuron, 110(10), 1689.

Loers G, et al. (2022) The Cell Adhesion Molecule L1 Interacts with Methyl CpG Binding Protein 2 via Its Intracellular Domain. International journal of molecular sciences, 23(7).

Achilly NP, et al. (2021) Deleting Mecp2 from the cerebellum rather than its neuronal subtypes causes a delay in motor learning in mice. eLife, 10.

Villani C, et al. (2021) Fluoxetine increases brain MeCP2 immuno-positive cells in a female Mecp2 heterozygous mouse model of Rett syndrome through endogenous serotonin. Scientific reports, 11(1), 14690.

Ribeiro MC, et al. (2020) Vitamin D Supplementation Rescues Aberrant NF-?B Pathway Activation and Partially Ameliorates Rett Syndrome Phenotypes in Mecp2 Mutant Mice. eNeuro, 7(3).

Lavery LA, et al. (2020) Losing Dnmt3a dependent methylation in inhibitory neurons impairs neural function by a mechanism impacting Rett syndrome. eLife, 9.

Sinnamon JR, et al. (2020) In Vivo Repair of a Protein Underlying a Neurological Disorder by Programmable RNA Editing. Cell reports, 32(2), 107878.

Heck AL, et al. (2020) Sex-Dependent Mechanisms of Glucocorticoid Regulation of the Mouse Hypothalamic Corticotropin-Releasing Hormone Gene. Endocrinology, 161(1).

Luoni M, et al. (2020) Whole brain delivery of an instability-prone Mecp2 transgene improves behavioral and molecular pathological defects in mouse models of Rett syndrome. eLife, 9.