Resource Summary Report

Generated by FDI Lab - SciCrunch.org on May 18, 2025

Monoclonal Anti-MAP2 antibody produced in mouse

RRID:AB_477256
Type: Antibody

Proper Citation

(Sigma-Aldrich Cat# M9942, RRID:AB_477256)

Antibody Information

URL: http://antibodyregistry.org/AB_477256

Proper Citation: (Sigma-Aldrich Cat# M9942, RRID:AB_477256)

Target Antigen: MAP2 antibody produced in mouse

Clonality: monoclonal

Comments: Vendor recommendations: IgG1 immunoblotting: 1-2 mug/mL
Info: Independent validation by the NYU Lagone was performed for: IHC. This antibody was found to have the following characteristics: Functional in human:TRUE, NonFunctional in human:FALSE, Functional in animal:FALSE, NonFunctional in animal:FALSE

Antibody Name: Monoclonal Anti-MAP2 antibody produced in mouse

Description: This monoclonal targets MAP2 antibody produced in mouse

Target Organism: chicken, rat, quail, mouse, bovine, human

Defining Citation: PMID:22522966

Antibody ID: AB_477256

Vendor: Sigma-Aldrich

Catalog Number: M9942

Record Creation Time: 20231110T081522+0000

Record Last Update: 20241115T105322+0000

Ratings and Alerts

- Independent validation by the NYU Lagone was performed for: IHC. This antibody was found to have the following characteristics: Functional in human:TRUE, NonFunctional in human:FALSE, Functional in animal:FALSE, NonFunctional in animal:FALSE - NYU Langone's Center for Biospecimen Research and Development https://med.nyu.edu/research/scientific-cores-shared-resources/center-biospecimen-research-development

No alerts have been found for Monoclonal Anti-MAP2 antibody produced in mouse.

Data and Source Information

Source: Antibody Registry

Usage and Citation Metrics

We found 41 mentions in open access literature.

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

Wu R, et al. (2024) Disruption of nuclear speckle integrity dysregulates RNA splicing in C9ORF72-FTD/ALS. Neuron, 112(20), 3434.

López-Murillo C, et al. (2024) Differences in vocal brain areas and astrocytes between the house wren and the rufous-tailed hummingbird. Frontiers in neuroanatomy, 18, 1339308.

Tresenrider A, et al. (2023) Single-cell sequencing of individual retinal organoids reveals determinants of cell-fate heterogeneity. Cell reports methods, 3(8), 100548.

Fang Q, et al. (2023) YTHDF1 phase separation triggers the fate transition of spermatogonial stem cells by activating the I?B-NF-?B-CCND1 axis. Cell reports, 42(4), 112403.

Kohle F, et al. (2023) Kinesin-5 inhibition improves neural regeneration in experimental autoimmune neuritis. Journal of neuroinflammation, 20(1), 139.

Wang Y, et al. (2023) TPL2 kinase activity regulates microglial inflammatory responses and promotes neurodegeneration in tauopathy mice. eLife, 12.

Mut-Arbona P, et al. (2023) Dual Role of the P2X7 Receptor in Dendritic Outgrowth during Physiological and Pathological Brain Development. The Journal of neuroscience : the official journal of the Society for Neuroscience, 43(7), 1125.

Janas JA, et al. (2022) Tip60-mediated H2A.Z acetylation promotes neuronal fate specification and bivalent gene activation. Molecular cell, 82(24), 4627.

Dragic M, et al. (2022) Expression of Ectonucleoside Triphosphate Diphosphohydrolase 2

(NTPDase2) Is Negatively Regulated Under Neuroinflammatory Conditions In Vivo and In Vitro. ASN neuro, 14, 17590914221102068.

Wu X, et al. (2022) Synaptic hyperexcitability of cytomegalic pyramidal neurons contributes to epileptogenesis in tuberous sclerosis complex. Cell reports, 40(3), 111085.

Tröger J, et al. (2022) Spinal cord synaptic plasticity by GlyR? release from receptor fields and syndapin I-dependent uptake. The Journal of neuroscience : the official journal of the Society for Neuroscience, 42(35), 6706.

Yin X, et al. (2021) Protocol for measurement of calcium dysregulation in human induced pluripotent stem cell-derived dopaminergic neurons. STAR protocols, 2(2), 100405.

Colameo D, et al. (2021) Pervasive compartment-specific regulation of gene expression during homeostatic synaptic scaling. EMBO reports, 22(10), e52094.

James OG, et al. (2021) iPSC-derived myelinoids to study myelin biology of humans. Developmental cell, 56(9), 1346.

Wang IF, et al. (2021) Activation of a hippocampal CREB-pCREB-miRNA-MEF2 axis modulates individual variation of spatial learning and memory capability. Cell reports, 36(5), 109477.

Kuijpers M, et al. (2021) Neuronal Autophagy Regulates Presynaptic Neurotransmission by Controlling the Axonal Endoplasmic Reticulum. Neuron, 109(2), 299.

Ishibashi Y, et al. (2021) Expression of SOLOIST/MRTFB i4, a novel neuronal isoform of the mouse serum response factor coactivator myocardin-related transcription factor-B, negatively regulates dendritic complexity in cortical neurons. Journal of neurochemistry, 159(4), 762.

Maehara N, et al. (2021) AIM/CD5L attenuates DAMPs in the injured brain and thereby ameliorates ischemic stroke. Cell reports, 36(11), 109693.

Alçada-Morais S, et al. (2021) Adenosine A2A Receptors Contribute to the Radial Migration of Cortical Projection Neurons through the Regulation of Neuronal Polarization and Axon Formation. Cerebral cortex (New York, N.Y. : 1991), 31(12), 5652.

Li B, et al. (2020) Neuronal Inactivity Co-opts LTP Machinery to Drive Potassium Channel Splicing and Homeostatic Spike Widening. Cell, 181(7), 1547.