

Resource Summary Report

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MAP2 antibody - Neuronal Marker

RRID:AB_2138153

Type: Antibody

Proper Citation

(Abcam Cat# ab5392, RRID:AB_2138153)

Antibody Information

URL: http://antibodyregistry.org/AB_2138153

Proper Citation: (Abcam Cat# ab5392, RRID:AB_2138153)

Target Antigen: MAP2 antibody - Neuronal Marker

Host Organism: chicken

Clonality: polyclonal

Comments: validation status unknown, seller recommendations provided in 2012: IgY; IgY ICC/IF, IHC (PFA fixed), IHC-FoFr, IHC-Fr, IHC-P, WB; Immunocytochemistry; Western Blot; Immunohistochemistry - fixed; Immunofluorescence; Immunohistochemistry; Immunohistochemistry - frozen

Info: Independent validation by the NYU Lagone was performed for: IHC. This antibody was found to have the following characteristics: Functional in human:FALSE, NonFunctional in human:FALSE, Functional in animal:FALSE, NonFunctional in animal:FALSE

Antibody Name: MAP2 antibody - Neuronal Marker

Description: This polyclonal targets MAP2 antibody - Neuronal Marker

Target Organism: bovine, cow, human, mouse, rat

Defining Citation: [PMID:18634004](#)

Antibody ID: AB_2138153

Vendor: Abcam

Catalog Number: ab5392

Ratings and Alerts

- Independent validation by the NYU Langone was performed for: IHC. This antibody was found to have the following characteristics: Functional in human:FALSE, 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 MAP2 antibody - Neuronal Marker.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 224 mentions in open access literature.

Listed below are recent publications. The full list is available at [FDI Lab - SciCrunch.org](#).

Feng L, et al. (2024) One-step cell biomanufacturing platform: porous gelatin microcarrier beads promote human embryonic stem cell-derived midbrain dopaminergic progenitor cell differentiation in vitro and survival after transplantation in vivo. Neural regeneration research, 19(2), 458.

Mohrmann L, et al. (2024) Distinct Alterations in Dendritic Spine Morphology in the Absence of γ -Neurexins. International journal of molecular sciences, 25(2).

Hirayama M, et al. (2024) Neuronal reprogramming of mouse and human fibroblasts using transcription factors involved in suprachiasmatic nucleus development. iScience, 27(3), 109051.

Suzuki H, et al. (2024) Mutant γ -synuclein causes death of human cortical neurons via ERK1/2 and JNK activation. Molecular brain, 17(1), 14.

Arecco N, et al. (2024) Alternative splicing decouples local from global PRC2 activity. Molecular cell, 84(6), 1049.

Afshar-Saber W, et al. (2024) ALDH5A1-deficient iPSC-derived excitatory and inhibitory neurons display cell type specific alterations. Neurobiology of disease, 190, 106386.

Yang L, et al. (2024) SARS-CoV-2 infection causes dopaminergic neuron senescence. *Cell stem cell*, 31(2), 196.

Ferreira LGA, et al. (2024) Generation of heterozygous (MCRLi030-A-1) and homozygous (MCRLi030-A-2) NR2F2/COUP-TFII knockout human iPSC lines. *Stem cell research*, 76, 103374.

Krontira AC, et al. (2024) Human cortical neurogenesis is altered via glucocorticoid-mediated regulation of ZBTB16 expression. *Neuron*.

Zhang D, et al. (2024) P-tau217 correlates with neurodegeneration in Alzheimer's disease, and targeting p-tau217 with immunotherapy ameliorates murine tauopathy. *Neuron*.

Pavon N, et al. (2024) Patterning ganglionic eminences in developing human brain organoids using a morphogen-gradient-inducing device. *Cell reports methods*, 4(1), 100689.

Beros JL, et al. (2024) Static magnetic stimulation induces structural plasticity at the axon initial segment of inhibitory cortical neurons. *Scientific reports*, 14(1), 1479.

Yan Y, et al. (2024) 3D bioprinting of human neural tissues with functional connectivity. *Cell stem cell*, 31(2), 260.

Huang S, et al. (2024) Disruption of the Na⁺/K⁺-ATPase-purinergic P2X7 receptor complex in microglia promotes stress-induced anxiety. *Immunity*, 57(3), 495.

Adams JW, et al. (2024) Loss of GTF2I promotes neuronal apoptosis and synaptic reduction in human cellular models of neurodevelopment. *Cell reports*, 43(3), 113867.

Mann JR, et al. (2023) Loss of function of the ALS-associated NEK1 kinase disrupts microtubule homeostasis and nuclear import. *Science advances*, 9(33), eadi5548.

Hendricks E, et al. (2023) The C9ORF72 repeat expansion alters neurodevelopment. *Cell reports*, 42(8), 112983.

Liu R, et al. (2023) Single-cell RNA-sequencing identifies various proportions of excitatory and inhibitory neurons in cultured human fetal brain cortical tissues. *Frontiers in neuroscience*, 17, 1177747.

Gale JR, et al. (2023) Copper induces neuron-sparing, ferredoxin 1-independent astrocyte toxicity mediated by oxidative stress. *Journal of neurochemistry*, 167(2), 277.

Grigor'eva EV, et al. (2023) Generation of three induced pluripotent stem cell lines (RAUi001-A, RAUi001-B and RAUi001-C) from peripheral blood mononuclear cells of a healthy Armenian individual. *Stem cell research*, 71, 103147.