

Resource Summary Report

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Anti-MAP2, clone AP20

RRID:AB_94856

Type: Antibody

Proper Citation

(Millipore Cat# MAB3418, RRID:AB_94856)

Antibody Information

URL: http://antibodyregistry.org/AB_94856

Proper Citation: (Millipore Cat# MAB3418, RRID:AB_94856)

Target Antigen: MAP2 clone AP20

Host Organism: mouse

Clonality: monoclonal

Comments: seller recommendations: IgG; IgG IH, WB; Western Blot; Immunohistochemistry

Antibody Name: Anti-MAP2, clone AP20

Description: This monoclonal targets MAP2 clone AP20

Target Organism: b, ch, h, m, r, xn, qu, xenopusamphibian, chickenbird

Defining Citation: [PMID:17447249](#), [PMID:22987813](#), [PMID:19177518](#), [PMID:22806400](#), [PMID:18853423](#), [PMID:18785628](#), [PMID:21165979](#), [PMID:20653038](#), [PMID:18095323](#), [PMID:21452232](#), [PMID:16856139](#)

Antibody ID: AB_94856

Vendor: Millipore

Catalog Number: MAB3418

Ratings and Alerts

No rating or validation information has been found for Anti-MAP2, clone AP20.

No alerts have been found for Anti-MAP2, clone AP20.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 68 mentions in open access literature.

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

Cardanho-Ramos C, et al. (2024) Local mitochondrial replication in the periphery of neurons requires the eEF1A1 protein and the translation of nuclear-encoded proteins. *iScience*, 27(4), 109136.

Leites EP, et al. (2024) Protocol for the isolation and culture of microglia, astrocytes, and neurons from the same mouse brain. *STAR protocols*, 5(1), 102804.

Tan J, et al. (2024) ApoE maintains neuronal integrity via microRNA and H3K27me3-mediated repression. *iScience*, 27(3), 109231.

Kiral FR, et al. (2023) Generation of ventralized human thalamic organoids with thalamic reticular nucleus. *Cell stem cell*, 30(5), 677.

Delignat-Lavaud B, et al. (2023) Synaptotagmin-1-dependent phasic axonal dopamine release is dispensable for basic motor behaviors in mice. *Nature communications*, 14(1), 4120.

Rakotomamonjy J, et al. (2023) PCDH12 loss results in premature neuronal differentiation and impeded migration in a cortical organoid model. *Cell reports*, 42(8), 112845.

Zuo Y, et al. (2023) Stabilization of nuclear β -catenin by inhibiting KDM2A mediates cerebral ischemic tolerance. *FASEB journal : official publication of the Federation of American Societies for Experimental Biology*, 37(3), e22796.

Wen H, et al. (2023) Hypoxic postconditioning restores mitophagy against transient global cerebral ischemia via Parkin-induced posttranslational modification of TBK1. *Neurobiology of disease*, 179, 106043.

de Arce KP, et al. (2023) Concerted roles of LRRTM1 and SynCAM 1 in organizing prefrontal cortex synapses and cognitive functions. *Nature communications*, 14(1), 459.

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.

Melliou S, et al. (2022) Regionally defined proteomic profiles of human cerebral tissue and organoids reveal conserved molecular modules of neurodevelopment. *Cell reports*, 39(8), 110846.

Yang R, et al. (2022) Posttranslational S-nitrosylation modification regulates HMGB1 secretion and promotes its proinflammatory and neurodegenerative effects. *Cell reports*, 40(11), 111330.

Biegler MT, et al. (2022) Induction of an immortalized songbird cell line allows for gene characterization and knockout by CRISPR-Cas9. *Scientific reports*, 12(1), 4369.

Lavra L, et al. (2021) Generation and characterization of the human induced pluripotent stem cell (hiPSC) line NCUFi001-A from a patient carrying KCNQ1 G314S mutation. *Stem cell research*, 54, 102418.

Bartelt-Kirbach B, et al. (2021) HspB5/?B-crystallin phosphorylation at S45 and S59 is essential for protection of the dendritic tree of rat hippocampal neurons. *Journal of neurochemistry*, 157(6), 2055.

Kim H, et al. (2021) Generation of human pluripotent stem cell-derived fused organoids with oligodendroglia and myelin. *STAR protocols*, 2(2), 100443.

Singal CMS, et al. (2021) Role of EphrinA3 in HIV-1 Neuropathogenesis. *ASN neuro*, 13, 17590914211044359.

Nakashima M, et al. (2021) The neuroprotective function of 2-carba-cyclic phosphatidic acid: Implications for tenascin-C via astrocytes in traumatic brain injury. *Journal of neuroimmunology*, 361, 577749.

Shields LY, et al. (2021) Mitochondrial fission is a critical modulator of mutant APP-induced neural toxicity. *The Journal of biological chemistry*, 296, 100469.

Al Rahim M, et al. (2021) Neuronal Pentraxin 1 Promotes Hypoxic-Ischemic Neuronal Injury by Impairing Mitochondrial Biogenesis via Interactions With Active Bax[6A7] and Mitochondrial Hexokinase II. *ASN neuro*, 13, 17590914211012888.