# Resource Summary Report

Generated by NIF on Aug 28, 2026

## Monoclonal Anti-MAP2 (2a+2b) antibody produced in mouse

RRID:AB_477171
Type: Antibody

### Proper Citation

(Sigma-Aldrich Cat# M1406, RRID:AB_477171)

### Antibody Information

**URL:** http://antibodyregistry.org/AB_477171

**Proper Citation:** (Sigma-Aldrich Cat# M1406, RRID:AB_477171)

**Target Antigen:** MAP2 (2a+2b) antibody produced in mouse

**Host Organism:** mouse

**Clonality:** monoclonal

**Comments:** Vendor recommendations: IgG1 Immunocytochemistry; Western Blot; immunocytochemistry: suitable, immunoblotting: 1:250

**Antibody Name:** Monoclonal Anti-MAP2 (2a+2b) antibody produced in mouse

**Description:** This monoclonal targets MAP2 (2a+2b) antibody produced in mouse

**Target Organism:** rat, xenopus, chicken/bird, aquatic salamander, quail, mouse, bovine, xenopus/amphibian, human

**Defining Citation:** PMID:19058188, PMID:19950118

**Antibody ID:** AB_477171

**Vendor:** Sigma-Aldrich

**Catalog Number:** M1406

**Record Creation Time:** 20260415T210729+0000

**Record Last Update:** 20260415T210729+0000

### Ratings and Alerts

No rating or validation information has been found for Monoclonal Anti-MAP2 (2a+2b) antibody produced in mouse.

No alerts have been found for Monoclonal Anti-MAP2 (2a+2b) antibody produced in mouse.

## Data and Source Information

**Source:** Antibody Registry

## Usage and Citation Metrics

We found 95 mentions in open access literature.

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


Øhlenschlæger MS, et al. (2026) Modeling Synaptic Maturation From Growth Cone to Synapse in Human Organoids. Journal of neurochemistry, 170(5), e70458.

Zheng Z, et al. (2026) Targeting PGAM5-driven mitochondrial integrated stress response slows ALS progression across subtypes. Neuron, 114(12), 2109.

Inquimbert P, et al. (2026) Divergence in ? and ? opioid receptor pharmacology in neurons and antinociceptive efficacy in neuropathic pain: Insights from MP135 and CYM51010. British journal of pharmacology.

Nasiri R, et al. (2026) Metabolic assessment of iPSC-derived neurons under ketone-enriched condition: Ketone sensor development and BHB-driven metabolic adaptation. iScience, 29(5), 115702.

Abay-Nørgaard Z, et al. (2026) Generation of human appetite-regulating neurons and tanycytes from pluripotent stem cells. Cell stem cell, 33(7), 1174.

Kawase M, et al. (2026) Phospholipid flippases ATP8A1 and ATP8A2 regulate GABAA receptor trafficking through distinct mechanisms in hippocampal neurons. iScience, 29(7), 116626.

Øhlenschlæger MS, et al. (2026) Multi-omic analysis of guided and unguided forebrain organoids reveals differences in cellular composition and metabolic profiles. Cell reports methods, 6(2), 101295.

Boreland AJ, et al. (2025) Ethanol induces neuroimmune dysregulation and soluble TREM2 generation in a human iPSC neuron, astrocyte, microglia triculture model. bioRxiv : the preprint server for biology.

Lee S, et al. (2025) Massively parallel reporter assay investigates shared genetic variants of eight psychiatric disorders. Cell, 188(5), 1409.

Oberst P, et al. (2025) Environmental and genetic risk factors of depression converge on neuronal dysfunction driven by changes in cholesterol homeostasis. Developmental cell.

Remesal L, et al. (2025) Targeting iron-associated protein Ftl1 in the brain of old mice improves age-related cognitive impairment. Nature aging.

Tofigh N, et al. (2025) A Novel Phosphorylated Tau Conformer Implicated in the Tauopathy Pathogenesis of Human Neurons. Biomolecules, 15(4).

Tsukahara T, et al. (2025) Division of labor among H3K4 methyltransferases defines distinct facets of homeostatic plasticity. Cell reports, 44(6), 115746.

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

Grundy EE, et al. (2024) Limited Immunogenicity of an HLA-A*03:01-restricted Epitope of Erv-k-env in Non-hiv-1 Settings: Implications for Adoptive Cell Therapy in Cancer. Research square.

Sun Z, et al. (2024) Harnessing developmental dynamics of spinal cord extracellular matrix improves regenerative potential of spinal cord organoids. Cell stem cell, 31(5), 772.

Fu XQ, et al. (2024) Comparative transcriptomic profiling reveals a role for Olig1 in promoting axon regeneration. Cell reports, 43(7), 114514.

Boreland AJ, et al. (2024) Sustained type I interferon signaling after human immunodeficiency virus type 1 infection of human iPSC derived microglia and cerebral organoids. iScience, 27(5), 109628.

Sirois CL, et al. (2024) CGG repeats in the human FMR1 gene regulate mRNA localization and cellular stress in developing neurons. Cell reports, 43(6), 114330.

Alirzayeva H, et al. (2024) ALS-FUS mutations cause abnormal PARylation and histone H1.2 interaction, leading to pathological changes. Cell reports, 43(8), 114626.