Resource Summary Report

Generated by FDI Lab - SciCrunch.org on May 4, 2025

Rat Anti-Myelin Basic Protein Monoclonal Antibody, Unconjugated, Clone 12

RRID:AB_305869
Type: Antibody

Proper Citation

(Abcam Cat# ab7349, RRID:AB_305869)

Antibody Information

URL: http://antibodyregistry.org/AB_305869

Proper Citation: (Abcam Cat# ab7349, RRID:AB_305869)

Target Antigen: Myelin Basic Protein

Host Organism: rat

Clonality: monoclonal

Comments:
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:FALSEApplications: ELISA, IHC-FoFr, IHC-Fr, IHC-P, RIA, WB; Immunohistochemistry; Chromatography; Immunohistochemistry - fixed; Immunofluorescence; ELISA; Immunohistochemistry - frozen; Radioimmunoassay
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
Consolidation on 6/2023: AB_308569

Antibody Name: Rat Anti-Myelin Basic Protein Monoclonal Antibody, Unconjugated, Clone 12

Description: This monoclonal targets Myelin Basic Protein

Target Organism: rat, cow, pig, mouse, rabbit, bovine, human, sheep

Clone ID: Clone 12

Defining Citation: PMID:20209960

Antibody ID: AB_305869

Vendor: Abcam

Catalog Number: ab7349

Record Creation Time: 20241017T003833+0000

Record Last Update: 20241017T022908+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: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 Rat Anti-Myelin Basic Protein Monoclonal Antibody, Unconjugated, Clone 12.

Data and Source Information

Source: Antibody Registry

Usage and Citation Metrics

We found 81 mentions in open access literature.

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

Miyazaki Y, et al. (2024) Oligodendrocyte-derived LGI3 and its receptor ADAM23 organize juxtaparanodal Kv1 channel clustering for short-term synaptic plasticity. Cell reports, 43(1), 113634.

Ma T, et al. (2024) Mea6/cTAGE5 cooperates with TRAPPC12 to regulate PTN secretion and white matter development. iScience, 27(3), 109180.

Liu X, et al. (2024) Small-molecule-induced epigenetic rejuvenation promotes SREBP

condensation and overcomes barriers to CNS myelin regeneration. Cell, 187(10), 2465.

Ozarkar SS, et al. (2024) Comparative profiling of white matter development in the human and mouse brain reveals volumetric deficits and delayed myelination in Angelman syndrome. Research square.

Li Z, et al. (2024) Akt/mTOR Pathway Agonist SC79 Inhibits Autophagy and Apoptosis of Oligodendrocyte Precursor Cells Associated with Neonatal White Matter Dysplasia. Neurochemical research, 49(3), 670.

Moir RD, et al. (2024) Molecular basis of neurodegeneration in a mouse model of Polr3-related disease. eLife, 13.

Gao C, et al. (2024) Neuromuscular organoids model spinal neuromuscular pathologies in C9orf72 amyotrophic lateral sclerosis. Cell reports, 43(3), 113892.

Santos SIP, et al. (2024) Oligodendrocyte precursor cell-derived exosomes combined with cell therapy promote clinical recovery by immunomodulation and gliosis attenuation. Frontiers in cellular neuroscience, 18, 1413843.

Ozarkar SS, et al. (2024) Comparative profiling of white matter development in the human and mouse brain reveals volumetric deficits and delayed myelination in Angelman syndrome. Molecular autism, 15(1), 54.

Heller DT, et al. (2024) Astrocyte ensheathment of calyx-forming axons of the auditory brainstem precedes accelerated expression of myelin genes and myelination by oligodendrocytes. The Journal of comparative neurology, 532(2), e25552.

Chadarevian JP, et al. (2024) Therapeutic potential of human microglia transplantation in a chimeric model of CSF1R-related leukoencephalopathy. Neuron, 112(16), 2686.

Rentsch J, et al. (2024) Sub-membrane actin rings compartmentalize the plasma membrane. The Journal of cell biology, 223(4).

Rowland ME, et al. (2023) Systemic and intrinsic functions of ATRX in glial cell fate and CNS myelination in male mice. Nature communications, 14(1), 7090.

Moir RD, et al. (2023) Molecular basis of neurodegeneration in a mouse model of Polr3-related disease. bioRxiv : the preprint server for biology.

Zhang T, et al. (2023) Autophagy collaborates with apoptosis pathways to control oligodendrocyte number. Cell reports, 42(8), 112943.

Tsuchikawa Y, et al. (2023) Deficiency of MicroRNA-23-27-24 Clusters Exhibits the Impairment of Myelination in the Central Nervous System. Neural plasticity, 2023, 8938674.

Pan L, et al. (2023) Oligodendrocyte-lineage cell exocytosis and L-type prostaglandin D synthase promote oligodendrocyte development and myelination. eLife, 12.

Buller S, et al. (2023) Median eminence myelin continuously turns over in adult mice. Molecular metabolism, 69, 101690.

Sha L, et al. (2023) LHPP-mediated inorganic pyrophosphate hydrolysis-driven lysosomal acidification in astrocytes regulates adult neurogenesis. Cell reports, 42(8), 112975.

Huang H, et al. (2023) Disruption of neuronal RHEB signaling impairs oligodendrocyte differentiation and myelination through mTORC1-DLK1 axis. Cell reports, 42(7), 112801.