

Resource Summary Report

Generated by [RRID](#) on Aug 7, 2026

Myelin Basic Protein antibody [12] - Oligodendrocyte Marker

RRID:AB_305869

Type: Antibody

Proper Citation

Abcam Cat# ab7349, RRID:AB_305869

Antibody Information

URL: http://antibodyregistry.org/AB_305869

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Target Antigen: Myelin Basic Protein antibody [12] - Oligodendrocyte Marker

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: Myelin Basic Protein antibody [12] - Oligodendrocyte Marker

Description: This monoclonal targets Myelin Basic Protein antibody [12] - Oligodendrocyte Marker

Target Organism: rat, porcine, canine, cow, pig, mouse, zebrafishfish, rabbit, bovine, human, dog, sheep

Defining Citation: [PMID:20209960](#)

Antibody ID: AB_305869

Vendor: Abcam

Catalog Number: ab7349

Record Creation Time: 20250820T014403+0000

Record Last Update: 20250820T114253+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 Myelin Basic Protein antibody [12] - Oligodendrocyte Marker.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 102 mentions in open access literature.

Listed below are recent publications. The full list is available at [RRID](#) .

Li R, et al. (2026) Porcine decellularized nerve matrix hydrogel attenuates neuroinflammation after peripheral nerve injury by inhibiting the TLR4/MyD88/NF- κ B axis. Neural regeneration research, 21(3), 1222.

Yan W, et al. (2026) Aurkb deficiency disrupts microglial development, homeostasis and hinders remyelination following cuprizone-induced demyelination. iScience, 29(2), 114718.

Postlmayr A, et al. (2026) Functionally distinct ALK and ROS1 fusions detected in infant-type hemispheric gliomas converge on STAT3 and SHP2 activation. Cell reports, 45(3), 117046.

Espinosa-Garcia C, et al. (2026) Neuroinflammatory stress preferentially impacts synaptic MAPK signaling and mitochondria in excitatory neurons. Molecular neurodegeneration advances, 2(1), 17.

Fitzgerald JC, et al. (2025) Interactions of Oligodendrocyte Precursor Cells and Dopaminergic Neurons in the Mouse Substantia Nigra. Journal of neurochemistry, 169(1),

e16298.

Zacher AC, et al. (2025) Oligodendrocyte arrangement, identification and morphology in the developing superior olivary complex. *Frontiers in cellular neuroscience*, 19, 1561312.

Hirota Y, et al. (2025) Biomarker-related phospho-tau217 appears in synapses around A β plaques prior to tau tangle in cerebral cortex of preclinical Alzheimer's disease. *Cell reports*, 116203.

Zhou Z, et al. (2025) Microglial estrogen receptor 1 signal designates sexual dimorphism of AQP4 antibody-induced neuroinflammation and demyelination. *Cell reports*, 44(12), 116636.

Diez A, et al. (2025) Early testosterone exposure during development advances myelination and affects neurogenesis of the vocal control motor path in male zebra finches (*Taeniopygia guttata*). *Journal of neuroendocrinology*, 37(6), e70022.

Mey GM, et al. (2025) Protocol for assessing regional pathology in the rodent optic nerve using longitudinal cryosections and cross-sectional electron microscopy. *STAR protocols*, 6(2), 103860.

Xing YL, et al. (2025) BRAF/MEK inhibition induces cell state transitions boosting immune checkpoint sensitivity in BRAFV600E-mutant glioma. *Cell reports. Medicine*, 6(6), 102183.

Hansford R, et al. (2025) Glucose-dependent insulinotropic polypeptide receptor signaling in oligodendrocytes increases the weight-loss action of GLP-1R agonism. *Cell metabolism*, 37(9), 1820.

Che H, et al. (2025) Neuronal TRPV1-CGRP axis regulates peripheral nerve regeneration through ERK/HIF-1 signaling pathway. *Journal of neurochemistry*, 169(1), e16281.

Markusson S, et al. (2025) Nanobodies against the myelin enzyme CNPase as tools for structural and functional studies. *Journal of neurochemistry*, 169(1), e16274.

Chen Q, et al. (2025) SLC44A1 deficiency impedes myelin development in the central nervous system. *Cell reports*, 44(12), 116617.

Moreno-Rodriguez M, et al. (2025) APOE ϵ 4 alters ApoE and Fabp7 in frontal cortex white matter in prodromal Alzheimer's disease. *Journal of neuroinflammation*, 22(1), 25.

Ozarkar SS, et al. (2025) Regional analysis of myelin basic protein across postnatal brain development of C57BL/6J mice. *Frontiers in neuroanatomy*, 19, 1535745.

Ding X, et al. (2025) OASIS: in vivo AAV-mediated transduction and genome editing of adult oligodendrocytes. *bioRxiv : the preprint server for biology*.

Summers BS, et al. (2025) Demyelination Produces a Shift in the Population of Cortical Neurons That Synapse with Callosal Oligodendrocyte Progenitor Cells. *eNeuro*, 12(6).

Allan KC, et al. (2025) Transient gene melting governs the timing of oligodendrocyte maturation. *Cell*.