Resource Summary Report

Generated by NIF on Aug 6, 2026

ANTI-OLIG-2

RRID:AB_570666
Type: Antibody

Proper Citation

Sigma-Aldrich Cat# AB9610, RRID:AB_570666

Antibody Information

URL: http://antibodyregistry.org/AB_570666

Proper Citation: Sigma-Aldrich Cat# AB9610, RRID:AB_570666

Target Antigen: Oligodendrocute transcription factor 2

Host Organism: rabbit

Clonality: polyclonal

Comments: Applications: immunocytochemistry, immunohistochemistry (formalin-fixed, paraffin-embedded sections), immunoprecipitation (IP), western blot

Antibody Name: ANTI-OLIG-2

Description: This polyclonal targets Oligodendrocute transcription factor 2

Target Organism: rat, mouse

Antibody ID: AB_570666

Vendor: Sigma-Aldrich

Catalog Number: AB9610

Record Creation Time: 20250820T020540+0000

Record Last Update: 20250820T124024+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:TRUE,

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 ANTI-OLIG-2.

Data and Source Information

Source: Antibody Registry

Usage and Citation Metrics

We found 299 mentions in open access literature.

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

Dereddi RR, et al. (2026) Oligodendrocyte mechanotransduction channel TMEM63A regulates myelin sheath geometry. Neuron.

Peng T, et al. (2025) Individualized patient tumor organoids faithfully preserve human brain tumor ecosystems and predict patient response to therapy. Cell stem cell, 32(4), 652.

Jinnou H, et al. (2025) Outer radial glia promotes white matter regeneration after neonatal brain injury. Cell reports. Medicine, 6(3), 101986.

Matera A, et al. (2025) Microglial lipid phosphatase SHIP1 limits complement-mediated synaptic pruning in the healthy developing hippocampus. Immunity, 58(1), 197.

Bardy-Lagarde M, et al. (2025) Estradiol Promotes Myelin Repair in the Spinal Cord of Female Mice in a CXCR4 Chemokine Receptor-Independent Manner. International journal of molecular sciences, 26(10).

Sher D, et al. (2025) Cell-of-origin-specific behavioral deficits in oligodendrocyte-derived glioblastoma. Cell reports, 44(8), 116043.

Tian M, et al. (2025) Deconstructing the intercellular interactome in vascular dementia with focal ischemia for therapeutic applications. Cell.

Kamen Y, et al. (2025) Oligodendrocyte precursor cell AMPA receptors differ with age and brain region while kainate receptors remain stable. iScience, 28(10), 113560.

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

Alhesain M, et al. (2025) Development of the early fetal human thalamus: from a protomap to emergent thalamic nuclei. Frontiers in neuroanatomy, 19, 1530236.

Bosquez Huerta NA, et al. (2025) Sex-specific astrocyte regulation of spinal motor circuits by Nkx6.1. Cell reports, 44(1), 115121.

Chappell MK, et al. (2025) Cerebellar white matter development is regulated by fractalkine-dependent microglia phagocytosis of oligodendrocyte progenitor cells. iScience, 28(10), 113458.

Zhang X, et al. (2025) 3D-generation of high-purity midbrain dopaminergic progenitors and lineage-guided refinement of grafts supports Parkinson's disease cell therapy. Cell stem cell, 32(11), 1758.

Bershteyn M, et al. (2025) Human stem cell-derived GABAergic interneuron development reveals early emergence of subtype diversity and gradual electrochemical maturation. Neuron.

Pan T, et al. (2025) Delayed forebrain excitatory and inhibitory neurogenesis in STRADA-related megalencephaly via mTOR hyperactivity. bioRxiv : the preprint server for biology.

Weidling I, et al. (2025) hiPSC-neurons recapitulate the subtype-specific cell intrinsic nature of susceptibility to neurodegenerative disease-relevant aggregation. Acta neuropathologica communications, 13(1), 108.

Hayashi Y, et al. (2025) Glial cells missing 1 triggers gliosis and angiogenesis after neonatal brain injury. iScience, 28(11), 113860.

Choi Y, et al. (2025) Blood-derived APLP1+ extracellular vesicles are potential biomarkers for the early diagnosis of brain diseases. Science advances, 11(1), eado6894.

Walvekar AS, et al. (2025) Failure to repair damaged NAD(P)H blocks de novo serine synthesis in human cells. Cellular & molecular biology letters, 30(1), 3.

Wang D, et al. (2025) GSDME-mediated pyroptosis in microglia exacerbates demyelination and neuroinflammation in multiple sclerosis: insights from humans and cuprizone-induced demyelination model mice. Cell death and differentiation.