

Resource Summary Report

Generated by PRECISE-TBI on Aug 9, 2026

Anti-AQP4 antibody produced in rabbit

RRID:AB_1844967

Type: Antibody

Proper Citation

Sigma-Aldrich Cat# HPA014784, RRID:AB_1844967

Antibody Information

URL: http://antibodyregistry.org/AB_1844967

Proper Citation: Sigma-Aldrich Cat# HPA014784, RRID:AB_1844967

Target Antigen: AQP4 antibody produced in rabbit

Host Organism: rabbit

Clonality: polyclonal

Comments: Vendor recommendations: Immunohistochemistry; Other; Western Blot; protein array: suitable, suitable, immunohistochemistry (formalin-fixed, paraffin-embedded sections): suitable

Antibody Name: Anti-AQP4 antibody produced in rabbit

Description: This polyclonal targets AQP4 antibody produced in rabbit

Target Organism: human

Antibody ID: AB_1844967

Vendor: Sigma-Aldrich

Catalog Number: HPA014784

Record Creation Time: 20250820T050036+0000

Record Last Update: 20250820T203209+0000

Ratings and Alerts

- Antibody validation available from The Human Protein Atlas - Human Protein Atlas <https://www.proteinatlas.org/search/HPA014784>

No alerts have been found for Anti-AQP4 antibody produced in rabbit.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 13 mentions in open access literature.

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

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

Chen K, et al. (2025) Selective removal of astrocytic PERK protects against glymphatic impairment and decreases toxic aggregation of γ -amyloid and tau. *Neuron*, 113(15), 2438.

Kameyama T, et al. (2023) Heterogeneity of perivascular astrocyte endfeet depending on vascular regions in the mouse brain. *iScience*, 26(10), 108010.

Garza R, et al. (2023) Single-cell transcriptomics of human traumatic brain injury reveals activation of endogenous retroviruses in oligodendroglia. *Cell reports*, 42(11), 113395.

Heo D, et al. (2022) Stage-specific control of oligodendrocyte survival and morphogenesis by TDP-43. *eLife*, 11.

Belenguer G, et al. (2021) Adult Neural Stem Cells Are Alerted by Systemic Inflammation through TNF- α Receptor Signaling. *Cell stem cell*, 28(2), 285.

Barbar L, et al. (2020) CD49f Is a Novel Marker of Functional and Reactive Human iPSC-Derived Astrocytes. *Neuron*, 107(3), 436.

Early AN, et al. (2020) Effects of advanced age upon astrocyte-specific responses to acute traumatic brain injury in mice. *Journal of neuroinflammation*, 17(1), 115.

Montgomery MK, et al. (2020) Glioma-Induced Alterations in Neuronal Activity and Neurovascular Coupling during Disease Progression. *Cell reports*, 31(2), 107500.

Rao W, et al. (2020) Protocol for Cloning Epithelial Stem Cell Variants from Human Lung. *STAR protocols*, 1(2).

Kawauchi S, et al. (2019) A novel in vitro co-culture model to examine contact formation between astrocytic processes and cerebral vessels. *Experimental cell research*, 374(2), 333.

Ichkova A, et al. (2019) Small Interference RNA Targeting Connexin-43 Improves Motor Function and Limits Astroglia After Juvenile Traumatic Brain Injury. *ASN neuro*, 11,

1759091419847090.

Sato J, et al. (2018) Involvement of aquaporin-4 in laminin-enhanced process formation of mouse astrocytes in 2D culture: Roles of dystroglycan and α -syntrophin in aquaporin-4 expression. *Journal of neurochemistry*, 147(4), 495.