Resource Summary Report

Generated by NIF on Aug 1, 2026

Anti-Kir4.1 (KCNJ10) Antibody

RRID:AB_2040120
Type: Antibody

Proper Citation

(Alomone Labs Cat# APC-035, RRID:AB_2040120)

Antibody Information

URL: http://antibodyregistry.org/AB_2040120

Proper Citation: (Alomone Labs Cat# APC-035, RRID:AB_2040120)

Target Antigen: Kir4.1 (KCNJ10) Channel

Host Organism: rabbit

Clonality: unknown

Comments: Useful for Western Blot, Immunohistochemistry, Immunocytochemistry, Immunoprecipitation

Antibody Name: Anti-Kir4.1 (KCNJ10) Antibody

Description: This unknown targets Kir4.1 (KCNJ10) Channel

Target Organism: rat, mouse, human

Antibody ID: AB_2040120

Vendor: Alomone Labs

Catalog Number: APC-035

Record Creation Time: 20260130T082107+0000

Record Last Update: 20260225T232038+0000

Ratings and Alerts

No rating or validation information has been found for Anti-Kir4.1 (KCNJ10) Antibody.

No alerts have been found for Anti-Kir4.1 (KCNJ10) Antibody.

Data and Source Information

Source: Antibody Registry

Usage and Citation Metrics

We found 34 mentions in open access literature.

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

Li F, et al. (2026) Overexpression of the inwardly rectifying potassium channel Kir4.1 or Kir4.1 Tyr 9 Asp in Müller cells exerts neuroprotective effects in an experimental glaucoma model. Neural regeneration research, 21(4), 1628.

Salazar MPR, et al. (2025) Mitochondrial fission controls astrocyte morphogenesis and organization in the cortex. bioRxiv : the preprint server for biology.

Bovee S, et al. (2025) Degeneration of the stria vascularis in quiet-aged gerbils: Linking structural, cellular and molecular changes to cochlear function. Neurobiology of aging, 156, 50.

Samokhina E, et al. (2025) Potassium homeostasis during disease progression of Alzheimer's disease. The Journal of physiology, 603(11), 3405.

Kong C, et al. (2025) Visualization of the Spiral Ganglion Neuron in Vivo Using a Novel 177Lu Nuclear Molecule Label. Advanced science (Weinheim, Baden-Wurttemberg, Germany), 12(29), e04464.

Gleichman AJ, et al. (2025) Regionally mapped astrocytic responses to cortical and white matter stroke show differential roles in astrocyte-induced vascular remodeling. Neuron, 113(24), 4178.

King AC, et al. (2024) Modulation of SNARE-dependent exocytosis in astrocytes improves neuropathology in Huntington's disease. Disease models & mechanisms, 17(11).

Koh JY, et al. (2023) Single-cell RNA-sequencing of stria vascularis cells in the adult Slc26a4-/- mouse. BMC medical genomics, 16(1), 133.

Oudart M, et al. (2023) The ribosome-associated protein RACK1 represses Kir4.1 translation in astrocytes and influences neuronal activity. Cell reports, 42(5), 112456.

Hong X, et al. (2023) Kir4.1 channel activation in NG2 glia contributes to remyelination in ischemic stroke. EBioMedicine, 87, 104406.

Richard EM, et al. (2023) Wfs1E864K knock-in mice illuminate the fundamental role of Wfs1 in endocochlear potential production. Cell death & disease, 14(6), 387.

Wang Y, et al. (2022) SOX2 is essential for astrocyte maturation and its deletion leads to hyperactive behavior in mice. Cell reports, 41(12), 111842.

Mapps AA, et al. (2022) Satellite glia modulate sympathetic neuron survival, activity, and autonomic function. eLife, 11.

Wang N, et al. (2022) Potassium channel Kir 4.1 regulates oligodendrocyte differentiation via intracellular pH regulation. Glia, 70(11), 2093.

Huffels CFM, et al. (2022) Amyloid-? plaques affect astrocyte Kir4.1 protein expression but not function in the dentate gyrus of APP/PS1 mice. Glia, 70(4), 748.

Peric M, et al. (2021) Dysfunction of oligodendrocyte inwardly rectifying potassium channel in a rat model of amyotrophic lateral sclerosis. The European journal of neuroscience, 54(7), 6339.

Taukulis IA, et al. (2021) Single-Cell RNA-Seq of Cisplatin-Treated Adult Stria Vascularis Identifies Cell Type-Specific Regulatory Networks and Novel Therapeutic Gene Targets. Frontiers in molecular neuroscience, 14, 718241.

Smith KE, et al. (2021) Divergent membrane properties of mouse cochlear glial cells around hearing onset. Journal of neuroscience research, 99(2), 679.

Padmashri R, et al. (2021) Modeling human-specific interlaminar astrocytes in the mouse cerebral cortex. The Journal of comparative neurology, 529(4), 802.

Yu X, et al. (2020) Context-Specific Striatal Astrocyte Molecular Responses Are Phenotypically Exploitable. Neuron, 108(6), 1146.