

Resource Summary Report

Generated by [FDI Lab - SciCrunch.org](#) on Apr 16, 2024

Anti-Kv2.1 K+ Channel Antibody

RRID:AB_10673392

Type: Antibody

Proper Citation

(Antibodies Incorporated Cat# 75-014, RRID:AB_10673392)

Antibody Information

URL: http://antibodyregistry.org/AB_10673392

Proper Citation: (Antibodies Incorporated Cat# 75-014, RRID:AB_10673392)

Target Antigen: Kv2.1 K+ channel

Host Organism: mouse

Clonality: monoclonal

Comments: Applications: IB, ICC, IHC, IP, KO, WB

Validation status: IF or IB (Pass), IB in brain (Pass), IHC in brain (Pass), KO (Pass)

This clone is associated with these products: purified (Antibodies Incorporated, Cat# 75-014, RRID:AB_10673392), supernatant (Antibodies Incorporated, Cat# 73-014, RRID:AB_10672253), hybridoma (UC Davis/NIH NeuroMab Facility, Cat# K89/34, RRID:AB_2877280)

Antibody Name: Anti-Kv2.1 K+ Channel Antibody

Description: This monoclonal targets Kv2.1 K+ channel

Target Organism: human, mouse, rat

Clone ID: K89/34

Antibody ID: AB_10673392

Vendor: Antibodies Incorporated

Catalog Number: 75-014

Ratings and Alerts

No rating or validation information has been found for Anti-Kv2.1 K⁺ Channel Antibody.

No alerts have been found for Anti-Kv2.1 K⁺ Channel Antibody.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 48 mentions in open access literature.

Listed below are recent publications. The full list is available at [FDI Lab - SciCrunch.org](#).

Kang SK, et al. (2024) Altered neurological and neurobehavioral phenotypes in a mouse model of the recurrent KCNB1-p.R306C voltage-sensor variant. *Neurobiology of disease*, 194, 106470.

Biro L, et al. (2023) Post-weaning social isolation in male mice leads to abnormal aggression and disrupted network organization in the prefrontal cortex: Contribution of parvalbumin interneurons with or without perineuronal nets. *Neurobiology of stress*, 25, 100546.

Cserép C, et al. (2022) Microglial control of neuronal development via somatic purinergic junctions. *Cell reports*, 40(12), 111369.

Inamdar SM, et al. (2022) Differential impact of Kv8.2 loss on rod and cone signaling and degeneration. *Human molecular genetics*, 31(7), 1035.

Muñoz Y, et al. (2021) Light microscopic and heterogeneity analysis of astrocytes in the common marmoset brain. *Journal of neuroscience research*, 99(12), 3121.

Hawkins NA, et al. (2021) Epilepsy and neurobehavioral abnormalities in mice with a dominant-negative KCNB1 pathogenic variant. *Neurobiology of disease*, 147, 105141.

Zhou L, et al. (2021) Transient receptor potential vanilloid 4 activation inhibits the delayed rectifier potassium channels in hippocampal pyramidal neurons: An implication in pathological changes following pilocarpine-induced status epilepticus. *Journal of neuroscience research*, 99(3), 914.

Shemesh OA, et al. (2020) Precision Calcium Imaging of Dense Neural Populations via a Cell-Body-Targeted Calcium Indicator. *Neuron*, 107(3), 470.

Holderith N, et al. (2020) A High-Resolution Method for Quantitative Molecular Analysis of Functionally Characterized Individual Synapses. *Cell reports*, 32(4), 107968.

Nishino K, et al. (2019) Mice deficient in the C-terminal domain of TAR DNA-binding protein 43 develop age-dependent motor dysfunction associated with impaired Notch1-Akt signaling pathway. *Acta neuropathologica communications*, 7(1), 118.

Berger SL, et al. (2018) Localized Myosin II Activity Regulates Assembly and Plasticity of the Axon Initial Segment. *Neuron*, 97(3), 555.

Gayet-Primo J, et al. (2018) Heteromeric KV2/KV8.2 Channels Mediate Delayed Rectifier Potassium Currents in Primate Photoreceptors. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 38(14), 3414.

Chao RY, et al. (2018) Defective trafficking of Kv2.1 channels in MPTP-induced nigrostriatal degeneration. *Journal of neurochemistry*, 144(4), 483.

Szoboszlay M, et al. (2017) Objective quantification of nanoscale protein distributions. *Scientific reports*, 7(1), 15240.

Kadam PD, et al. (2016) Erratum to: Rectocutaneous fistula with transmigration of the suture: a rare delayed complication of vault fixation with the sacrospinous ligament. *International urogynecology journal*, 27(3), 505.

King AN, et al. (2014) A unique ion channel clustering domain on the axon initial segment of mammalian neurons. *The Journal of comparative neurology*, 522(11), 2594.

Specia DJ, et al. (2014) Deletion of the Kv2.1 delayed rectifier potassium channel leads to neuronal and behavioral hyperexcitability. *Genes, brain, and behavior*, 13(4), 394.

Kirizis T, et al. (2014) Distinct axo-somato-dendritic distributions of three potassium channels in CA1 hippocampal pyramidal cells. *The European journal of neuroscience*, 39(11), 1771.

Jensen CS, et al. (2014) Specific sorting and post-Golgi trafficking of dendritic potassium channels in living neurons. *The Journal of biological chemistry*, 289(15), 10566.

Shah NH, et al. (2014) Cyclin e1 regulates Kv2.1 channel phosphorylation and localization in neuronal ischemia. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 34(12), 4326.