

Resource Summary Report

Generated by [RRID](#) on Aug 6, 2026

Anti-Kv2.1 K+ Channel Antibody

RRID:AB_10672253

Type: Antibody

Proper Citation

Antibodies Incorporated Cat# 73-014, RRID:AB_10672253

Antibody Information

URL: http://antibodyregistry.org/AB_10672253

Proper Citation: Antibodies Incorporated Cat# 73-014, RRID:AB_10672253

Target Antigen: Kv2.1 potassium 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 potassium channel

Target Organism: rat, mouse, human

Clone ID: K89/34

Antibody ID: AB_10672253

Vendor: Antibodies Incorporated

Catalog Number: 73-014

Record Creation Time: 20250820T023411+0000

Record Last Update: 20250820T135618+0000

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 12 mentions in open access literature.

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

Stewart RG, et al. (2024) Distinct cellular expression and subcellular localization of Kv2 voltage-gated K+ channel subtypes in dorsal root ganglion neurons conserved between mice and humans. *The Journal of comparative neurology*, 532(2), e25575.

Oh H, et al. (2023) Kv7/KCNQ potassium channels in cortical hyperexcitability and juvenile seizure-related death in Ank2-mutant mice. *Nature communications*, 14(1), 3547.

Kissane RWP, et al. (2022) C-bouton components on rat extensor digitorum longus motoneurons are resistant to chronic functional overload. *Journal of anatomy*, 241(5), 1157.

Kirmiz M, et al. (2019) Neuronal ER-plasma membrane junctions organized by Kv2-VAP pairing recruit Nir proteins and affect phosphoinositide homeostasis. *The Journal of biological chemistry*, 294(47), 17735.

Andrews NP, et al. (2019) A toolbox of IgG subclass-switched recombinant monoclonal antibodies for enhanced multiplex immunolabeling of brain. *eLife*, 8.

Bishop HI, et al. (2018) Kv2 Ion Channels Determine the Expression and Localization of the Associated AMIGO-1 Cell Adhesion Molecule in Adult Brain Neurons. *Frontiers in molecular neuroscience*, 11, 1.

Rhomberg T, et al. (2018) Vasoactive Intestinal Polypeptide-Immunoreactive Interneurons within Circuits of the Mouse Basolateral Amygdala. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 38(31), 6983.

Kirmiz M, et al. (2018) Remodeling neuronal ER-PM junctions is a conserved nonconducting function of Kv2 plasma membrane ion channels. *Molecular biology of the cell*, 29(20), 2410.

Fletcher EV, et al. (2017) Reduced sensory synaptic excitation impairs motor neuron function via Kv2.1 in spinal muscular atrophy. *Nature neuroscience*, 20(7), 905.

Cobb MM, et al. (2015) Cell Cycle-dependent Changes in Localization and Phosphorylation of the Plasma Membrane Kv2.1 K⁺ Channel Impact Endoplasmic Reticulum Membrane Contact Sites in COS-1 Cells. *The Journal of biological chemistry*, 290(49), 29189.

Thiffault I, et al. (2015) A novel epileptic encephalopathy mutation in KCNB1 disrupts Kv2.1 ion selectivity, expression, and localization. *The Journal of general physiology*, 146(5), 399.

Mandikian D, et al. (2014) Cell type-specific spatial and functional coupling between mammalian brain Kv2.1 K⁺ channels and ryanodine receptors. *The Journal of comparative neurology*, 522(15), 3555.