Resource Summary Report

Generated by FDI Lab - SciCrunch.org on Mar 29, 2024

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: human, mouse, rat

Clone ID: K89/34

Antibody ID: AB_10672253

Vendor: Antibodies Incorporated

Catalog Number: 73-014

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 43 mentions in open access literature.

Listed below are recent publications. The full list is available at FDI Lab - SciCrunch.org.

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.

Ghaffari-Rafi A, 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.

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.

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.

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.

, 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. (2016) 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, 291(11), 5527.

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.

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.

Dufour MA, et al. (2014) Somatodendritic ion channel expression in substantia nigra pars compacta dopaminergic neurons across postnatal development. Journal of neuroscience research, 92(8), 981.

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.

Hund TJ, et al. (2014) ?(IV)-Spectrin regulates TREK-1 membrane targeting in the heart. Cardiovascular research, 102(1), 166.

Pirger Z, et al. (2014) Voltage-gated membrane currents in neurons involved in odor information processing in snail procerebrum. Brain structure & function, 219(2), 673.

Maguire EP, et al. (2014) Tonic inhibition of accumbal spiny neurons by extrasynaptic ?4?? GABAA receptors modulates the actions of psychostimulants. The Journal of neuroscience : the official journal of the Society for Neuroscience, 34(3), 823.

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.

Kirizs 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.

Cservenák M, et al. (2013) Thalamic neuropeptide mediating the effects of nursing on lactation and maternal motivation. Psychoneuroendocrinology, 38(12), 3070.

Kourrich S, et al. (2013) Dynamic interaction between sigma-1 receptor and Kv1.2 shapes neuronal and behavioral responses to cocaine. Cell, 152(1-2), 236.