Resource Summary Report

Generated by FDI Lab - SciCrunch.org on Apr 29, 2025

Anti-Kv1.4 K+ Channel Antibody

RRID:AB_2249726
Type: Antibody

Proper Citation

(Antibodies Incorporated Cat# 75-010, RRID:AB_2249726)

Antibody Information

URL: http://antibodyregistry.org/AB_2249726

Proper Citation: (Antibodies Incorporated Cat# 75-010, RRID:AB_2249726)

Target Antigen: Kv1.4 K+ channel

Host Organism: mouse

Clonality: monoclonal

Comments: Applications: IB, ICC, IHC, IP, WB
Validation status: IF or IB (Pass), IB in brain (Pass), IHC in brain (Pass), KO (ND)
This clone is associated with these products: purified (Antibodies Incorporated, Cat# 75-010, RRID:AB_2249726), supernatant (Antibodies Incorporated, Cat# 73-010, RRID:AB_10673576), hybridoma (UC Davis/NIH NeuroMab Facility, Cat# K13/31, RRID:AB_2877317)

Antibody Name: Anti-Kv1.4 K+ Channel Antibody

Description: This monoclonal targets Kv1.4 K+ channel

Target Organism: rat, mouse, human

Clone ID: K13/31

Antibody ID: AB_2249726

Vendor: Antibodies Incorporated

Catalog Number: 75-010

Record Creation Time: 20231110T070437+0000

Record Last Update: 20241115T043633+0000

Ratings and Alerts

No rating or validation information has been found for Anti-Kv1.4 K+ Channel Antibody.

No alerts have been found for Anti-Kv1.4 K+ Channel Antibody.

Data and Source Information

Source: Antibody Registry

Usage and Citation Metrics

We found 21 mentions in open access literature.

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

Miyazaki Y, et al. (2024) Oligodendrocyte-derived LGI3 and its receptor ADAM23 organize juxtaparanodal Kv1 channel clustering for short-term synaptic plasticity. Cell reports, 43(1), 113634.

Sanders SS, et al. (2020) The palmitoyl acyltransferase ZDHHC14 controls Kv1-family potassium channel clustering at the axon initial segment. eLife, 9.

Nguyen LH, et al. (2018) mTOR-dependent alterations of Kv1.1 subunit expression in the neuronal subset-specific Pten knockout mouse model of cortical dysplasia with epilepsy. Scientific reports, 8(1), 3568.

Zhao X, et al. (2013) A long noncoding RNA contributes to neuropathic pain by silencing Kcna2 in primary afferent neurons. Nature neuroscience, 16(8), 1024.

Ovsepian SV, et al. (2013) A defined heteromeric KV1 channel stabilizes the intrinsic pacemaking and regulates the output of deep cerebellar nuclear neurons to thalamic targets. The Journal of physiology, 591(7), 1771.

Brewster AL, et al. (2013) Rapamycin reverses status epilepticus-induced memory deficits and dendritic damage. PloS one, 8(3), e57808.

Jukkola PI, et al. (2012) K+ channel alterations in the progression of experimental autoimmune encephalomyelitis. Neurobiology of disease, 47(2), 280.

Menegola M, et al. (2012) The importance of immunohistochemical analyses in evaluating the phenotype of Kv channel knockout mice. Epilepsia, 53 Suppl 1(Suppl 1), 142.

DiFranco M, et al. (2012) The delayed rectifier potassium conductance in the sarcolemma and the transverse tubular system membranes of mammalian skeletal muscle fibers. The Journal of general physiology, 140(2), 109.

Zhu Y, et al. (2012) Transforming growth factor beta induces sensory neuronal hyperexcitability, and contributes to pancreatic pain and hyperalgesia in rats with chronic pancreatitis. Molecular pain, 8, 65.

Cheng L, et al. (2011) Cortactin is required for N-cadherin regulation of Kv1.5 channel function. The Journal of biological chemistry, 286(23), 20478.

Guan D, et al. (2011) Postnatal development of A-type and Kv1- and Kv2-mediated potassium channel currents in neocortical pyramidal neurons. Journal of neurophysiology, 105(6), 2976.

Sun W, et al. (2011) DPP6 establishes the A-type K(+) current gradient critical for the regulation of dendritic excitability in CA1 hippocampal neurons. Neuron, 71(6), 1102.

Fulton S, et al. (2011) Contribution of Kv1.2 voltage-gated potassium channel to D2 autoreceptor regulation of axonal dopamine overflow. The Journal of biological chemistry, 286(11), 9360.

Ogawa Y, et al. (2010) ADAM22, a Kv1 channel-interacting protein, recruits membrane-associated guanylate kinases to juxtaparanodes of myelinated axons. The Journal of neuroscience : the official journal of the Society for Neuroscience, 30(3), 1038.

Xu X, et al. (2010) Long-term fish oil supplementation induces cardiac electrical remodeling by changing channel protein expression in the rabbit model. PloS one, 5(4), e10140.

Monaghan MM, et al. (2008) Altered expression and localization of hippocampal A-type potassium channel subunits in the pilocarpine-induced model of temporal lobe epilepsy. Neuroscience, 156(3), 550.

Buniel M, et al. (2008) Distribution of voltage-gated potassium and hyperpolarization-activated channels in sensory afferent fibers in the rat carotid body. The Journal of comparative neurology, 510(4), 367.

Vacher H, et al. (2007) Regulation of Kv1 channel trafficking by the mamba snake neurotoxin dendrotoxin K. FASEB journal : official publication of the Federation of American Societies for Experimental Biology, 21(3), 906.

Pott C, et al. (2007) Mechanism of shortened action potential duration in Na+-Ca2+ exchanger knockout mice. American journal of physiology. Cell physiology, 292(2), C968.