

Resource Summary Report

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Anti-Kv1.2 K+ Channel Antibody

RRID:AB_2296313

Type: Antibody

Proper Citation

Antibodies Incorporated Cat# 75-008, RRID:AB_2296313

Antibody Information

URL: http://antibodyregistry.org/AB_2296313

Proper Citation: Antibodies Incorporated Cat# 75-008, RRID:AB_2296313

Target Antigen: Kv1.2 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# 75-008, RRID:AB_2296313), supernatant (Antibodies Incorporated, Cat# 73-008, RRID:AB_10674277), hybridoma (UC Davis/NIH NeuroMab Facility, Cat# K14/16, RRID:AB_2877295)

Antibody Name: Anti-Kv1.2 K+ Channel Antibody

Description: This monoclonal targets Kv1.2 K+ channel

Target Organism: rat, mouse, human

Clone ID: K14/16

Antibody ID: AB_2296313

Vendor: Antibodies Incorporated

Catalog Number: 75-008

Record Creation Time: 20250820T033205+0000

Record Last Update: 20250820T163022+0000

Ratings and Alerts

No rating or validation information has been found for Anti-Kv1.2 K⁺ Channel Antibody.

No alerts have been found for Anti-Kv1.2 K⁺ Channel Antibody.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 22 mentions in open access literature.

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

Elbaz B, et al. (2024) The bone transcription factor Osterix controls extracellular matrix- and node of Ranvier-related gene expression in oligodendrocytes. *Neuron*, 112(2), 247.

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.

Merseburg A, et al. (2022) Seizures, behavioral deficits, and adverse drug responses in two new genetic mouse models of HCN1 epileptic encephalopathy. *eLife*, 11.

Kim EJ, et al. (2021) Structural Refinement of the Auditory Brainstem Neurons in Baboons During Perinatal Development. *Frontiers in cellular neuroscience*, 15, 648562.

Kuijpers M, et al. (2021) Neuronal Autophagy Regulates Presynaptic Neurotransmission by Controlling the Axonal Endoplasmic Reticulum. *Neuron*, 109(2), 299.

Yokoi N, et al. (2021) 14-3-3 proteins stabilize LGI1-ADAM22 levels to regulate seizure thresholds in mice. *Cell reports*, 37(11), 110107.

Lieberman OJ, et al. (2020) Cell-type-specific regulation of neuronal intrinsic excitability by macroautophagy. *eLife*, 9.

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

Liu CH, et al. (2020) Nodal ? spectrins are required to maintain Na⁺ channel clustering and axon integrity. *eLife*, 9.

Zheng Y, et al. (2019) Deep Sequencing of Somatosensory Neurons Reveals Molecular Determinants of Intrinsic Physiological Properties. *Neuron*, 103(4), 598.

Saifetiarova J, et al. (2019) Ablation of cytoskeletal scaffolding proteins, Band 4.1B and Whirlin, leads to cerebellar purkinje axon pathology and motor dysfunction. *Journal of neuroscience research*, 97(3), 313.

Griggs RB, et al. (2018) Methylglyoxal Disrupts Paranodal Axoglial Junctions via Calpain Activation. *ASN neuro*, 10, 1759091418766175.

Taylor AM, et al. (2018) Simultaneous Ablation of Neuronal Neurofascin and Ankyrin G in Young and Adult Mice Reveals Age-Dependent Increase in Nodal Stability in Myelinated Axons and Differential Effects on the Lifespan. *eNeuro*, 5(3).

Lieberman OJ, et al. (2018) Dopamine Triggers the Maturation of Striatal Spiny Projection Neuron Excitability during a Critical Period. *Neuron*, 99(3), 540.

Dawes JM, et al. (2018) Immune or Genetic-Mediated Disruption of CASPR2 Causes Pain Hypersensitivity Due to Enhanced Primary Afferent Excitability. *Neuron*, 97(4), 806.

Susuki K, et al. (2018) Glial β II Spectrin Contributes to Paranode Formation and Maintenance. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 38(27), 6063.

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.

Seagar M, et al. (2017) LGI1 tunes intrinsic excitability by regulating the density of axonal Kv1 channels. *Proceedings of the National Academy of Sciences of the United States of America*, 114(29), 7719.

Saifetiarova J, et al. (2017) Axonal domain disorganization in Caspr1 and Caspr2 mutant myelinated axons affects neuromuscular junction integrity, leading to muscle atrophy. *Journal of neuroscience research*, 95(7), 1373.

Huang CY, et al. (2017) β II Spectrin Forms a Periodic Cytoskeleton at the Axon Initial Segment and Is Required for Nervous System Function. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 37(47), 11311.