Resource Summary Report

Generated by FDI Lab - SciCrunch.org on May 18, 2025

Anti-Nav1.1 Na+ Channel Antibody

RRID:AB_2238842
Type: Antibody

Proper Citation

(Antibodies Incorporated Cat# 75-023, RRID:AB_2238842)

Antibody Information

URL: http://antibodyregistry.org/AB_2238842

Proper Citation: (Antibodies Incorporated Cat# 75-023, RRID:AB_2238842)

Target Antigen: Nav1.1 Na+ 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# 75-023, RRID:AB_2238842), supernatant (Antibodies Incorporated, Cat# 73-023, RRID:AB_10671830), hybridoma (UC Davis/NIH NeuroMab Facility, Cat# K74/71, RRID:AB_2877321)

Antibody Name: Anti-Nav1.1 Na+ Channel Antibody

Description: This monoclonal targets Nav1.1 Na+ channel

Target Organism: rat, mouse, human

Clone ID: K74/71

Antibody ID: AB_2238842

Vendor: Antibodies Incorporated

Catalog Number: 75-023

Record Creation Time: 20231110T070457+0000

Record Last Update: 20241115T033920+0000

Ratings and Alerts

No rating or validation information has been found for Anti-Nav1.1 Na+ Channel Antibody.

No alerts have been found for Anti-Nav1.1 Na+ Channel Antibody.

Data and Source Information

Source: Antibody Registry

Usage and Citation Metrics

We found 16 mentions in open access literature.

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

Gomez CD, et al. (2019) Early Life Inflammation Increases CA1 Pyramidal Neuron Excitability in a Sex and Age Dependent Manner through a Chloride Homeostasis Disruption. The Journal of neuroscience : the official journal of the Society for Neuroscience, 39(37), 7244.

Wimmer VC, et al. (2015) Sodium channel ?1 subunit localizes to axon initial segments of excitatory and inhibitory neurons and shows regional heterogeneity in mouse brain. The Journal of comparative neurology, 523(5), 814.

Vega AV, et al. (2013) Interaction between the transcriptional corepressor Sin3B and voltage-gated sodium channels modulates functional channel expression. Scientific reports, 3, 2809.

Wykes R, et al. (2012) Changes in the physiology of CA1 hippocampal pyramidal neurons in preplaque CRND8 mice. Neurobiology of aging, 33(8), 1609.

Ahn HS, et al. (2011) Nav1.7 is the predominant sodium channel in rodent olfactory sensory neurons. Molecular pain, 7, 32.

Wu C, et al. (2011) Action potential generation at an axon initial segment-like process in the axonless retinal AII amacrine cell. The Journal of neuroscience : the official journal of the Society for Neuroscience, 31(41), 14654.

Kim DY, et al. (2011) Reduced sodium channel Na(v)1.1 levels in BACE1-null mice. The Journal of biological chemistry, 286(10), 8106.

Lysakowski A, et al. (2011) Molecular microdomains in a sensory terminal, the vestibular calyx ending. The Journal of neuroscience : the official journal of the Society for Neuroscience, 31(27), 10101.

Kaphzan H, et al. (2011) Alterations in intrinsic membrane properties and the axon initial segment in a mouse model of Angelman syndrome. The Journal of neuroscience : the official journal of the Society for Neuroscience, 31(48), 17637.

Brackenbury WJ, et al. (2010) Functional reciprocity between Na+ channel Nav1.6 and beta1 subunits in the coordinated regulation of excitability and neurite outgrowth. Proceedings of the National Academy of Sciences of the United States of America, 107(5), 2283.

Wimmer VC, et al. (2010) Axon initial segment dysfunction in epilepsy. The Journal of physiology, 588(Pt 11), 1829.

Wimmer VC, et al. (2010) Axon initial segment dysfunction in a mouse model of genetic epilepsy with febrile seizures plus. The Journal of clinical investigation, 120(8), 2661.

Black JA, et al. (2010) Astrocytes within multiple sclerosis lesions upregulate sodium channel Nav1.5. Brain : a journal of neurology, 133(Pt 3), 835.

von Reyn CR, et al. (2009) Calpain mediates proteolysis of the voltage-gated sodium channel alpha-subunit. The Journal of neuroscience : the official journal of the Society for Neuroscience, 29(33), 10350.

Zhao P, et al. (2008) Voltage-gated sodium channel expression in rat and human epidermal keratinocytes: evidence for a role in pain. Pain, 139(1), 90.

Mojumder DK, et al. (2007) Voltage-gated sodium channel alpha-subunits Na(v)1.1, Na(v)1.2, and Na(v)1.6 in the distal mammalian retina. Molecular vision, 13, 2163.