

Resource Summary Report

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Anti-HCN1 Antibody

RRID:AB_2039900

Type: Antibody

Proper Citation

(Alomone Labs Cat# APC-056, RRID:AB_2039900)

Antibody Information

URL: http://antibodyregistry.org/AB_2039900

Proper Citation: (Alomone Labs Cat# APC-056, RRID:AB_2039900)

Target Antigen: HCN1 Channel

Host Organism: rabbit

Clonality: unknown

Comments: Useful for Western Blot, Immunohistochemistry

Antibody Name: Anti-HCN1 Antibody

Description: This unknown targets HCN1 Channel

Target Organism: rat, mouse, human

Defining Citation: [PMID:17311321](https://pubmed.ncbi.nlm.nih.gov/17311321/)

Antibody ID: AB_2039900

Vendor: Alomone Labs

Catalog Number: APC-056

Record Creation Time: 20231110T050917+0000

Record Last Update: 20241115T120232+0000

Ratings and Alerts

No rating or validation information has been found for Anti-HCN1 Antibody.

No alerts have been found for Anti-HCN1 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 [FDI Lab - SciCrunch.org](#).

Guo B, et al. (2024) Restoring thalamocortical circuit dysfunction by correcting HCN channelopathy in Shank3 mutant mice. *Cell reports. Medicine*, 5(5), 101534.

Goniotaki D, et al. (2024) Tau-mediated synaptic dysfunction is coupled with HCN channelopathy. *Alzheimer's & dementia : the journal of the Alzheimer's Association*, 20(8), 5629.

Peng JY, et al. (2023) Receptor and Ionic Mechanism of Histamine on Mouse Dorsolateral Striatal Neurons. *Molecular neurobiology*, 60(1), 183.

Polyák A, et al. (2023) Cardiac electrophysiological remodeling associated with enhanced arrhythmia susceptibility in a canine model of elite exercise. *eLife*, 12.

Kara Z, et al. (2022) Pleiotropic vascular effects of ivabradine in streptozotocin-induced diabetes. *European journal of pharmacology*, 916, 174551.

van der Heijden ME, et al. (2021) Maturation of Purkinje cell firing properties relies on neurogenesis of excitatory neurons. *eLife*, 10.

Madden JF, et al. (2020) Functional and Molecular Analysis of Proprioceptive Sensory Neuron Excitability in Mice. *Frontiers in molecular neuroscience*, 13, 36.

Orefice LL, et al. (2019) Targeting Peripheral Somatosensory Neurons to Improve Tactile-Related Phenotypes in ASD Models. *Cell*, 178(4), 867.

Zhuang QX, et al. (2018) Regularizing firing patterns of rat subthalamic neurons ameliorates parkinsonian motor deficits. *The Journal of clinical investigation*, 128(12), 5413.

Smith FL, et al. (2016) Organ of Corti explants direct tonotopically graded morphology of spiral ganglion neurons in vitro. *The Journal of comparative neurology*, 524(11), 2182.

Zhao Z, et al. (2016) Involvement of HCN Channel in Muscarinic Inhibitory Action on Tonic Firing of Dorsolateral Striatal Cholinergic Interneurons. *Frontiers in cellular neuroscience*, 10,

71.

Fyk-Kolodziej B, et al. (2007) Differential distribution of hyperpolarization-activated and cyclic nucleotide-gated channels in cone bipolar cells of the rat retina. *The Journal of comparative neurology*, 501(6), 891.