

Resource Summary Report

Generated by [FDI Lab - SciCrunch.org](https://www.fdi-lab.com) on Mar 26, 2025

Axopatch 200B Patch Clamp Amplifier

RRID:SCR_018866

Type: Tool

Proper Citation

Axopatch 200B Patch Clamp Amplifier (RRID:SCR_018866)

Resource Information

URL: <https://www.moleculardevices.com/products/axon-patch-clamp-system/amplifiers/axon-instruments-patch-clamp-amplifiers#gref>

Proper Citation: Axopatch 200B Patch Clamp Amplifier (RRID:SCR_018866)

Description: Patch clamp amplifiers to minimize signal to noise ratio.

Synonyms: Axon Instruments Patch Clamp Amplifier, Axopatch 200B Capacitor Feedback Patch Clamp Amplifier

Resource Type: instrument resource

Keywords: Patch clamp amplifier, minimize signal to noise ratio, Axon Instruments, Axopatch capacitor, instrument, equipment

Funding:

Availability: Restricted

Resource Name: Axopatch 200B Patch Clamp Amplifier

Resource ID: SCR_018866

Alternate URLs: <https://moldevkb.blob.core.windows.net/kb01/documents/cns/axopatch-200b-userguide-2500-121e.pdf>

Record Creation Time: 20220129T080342+0000

Record Last Update: 20250214T183336+0000

Ratings and Alerts

No rating or validation information has been found for Axopatch 200B Patch Clamp Amplifier.

No alerts have been found for Axopatch 200B Patch Clamp Amplifier.

Data and Source Information

Source: [SciCrunch 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](#).

Chuhma N, et al. (2024) Regional heterogeneity in the membrane properties of mouse striatal neurons. *Frontiers in cellular neuroscience*, 18, 1412897.

Zhang BB, et al. (2024) Suppression of excitatory synaptic transmission in the centrolateral amygdala via presynaptic histamine H3 heteroreceptors. *The Journal of physiology*.

Herrera-Zamora JM, et al. (2024) Increased glutamatergic neurotransmission between the retinohypothalamic tract and the suprachiasmatic nucleus of old mice. *Journal of neuroscience research*, 102(4), e25331.

Osuna-Lopez F, et al. (2024) Age-, region-, and day/night-related variation of the chloride reversal potential in the rat suprachiasmatic nucleus. *Journal of neuroscience research*, 102(8), e25373.

Suárez-Delgado E, et al. (2023) Activation-pathway transitions in human voltage-gated proton channels revealed by a non-canonical fluorescent amino acid. *eLife*, 12.

Chuhma N, et al. (2023) The dopamine neuron synaptic map in the striatum. *Cell reports*, 42(3), 112204.

Kawanabe A, et al. (2023) ATP modulates the activity of the voltage-gated proton channel through direct binding interaction. *The Journal of physiology*, 601(18), 4073.

Yu TH, et al. (2023) Multisession Anodal Transcranial Direct Current Stimulation Enhances Adult Hippocampal Neurogenesis and Context Discrimination in Mice. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 43(4), 635.

Gaidin SG, et al. (2023) A novel approach for vital visualization and studying of neurons containing Ca²⁺-permeable AMPA receptors. *Journal of neurochemistry*, 164(5), 583.

Hung YC, et al. (2023) Loss of oxytocin receptors in hilar mossy cells impairs social

discrimination. *Neurobiology of disease*, 187, 106311.

Hoogland G, et al. (2022) Experimental early-life febrile seizures cause a sustained increase in excitatory neurotransmission in newborn dentate granule cells. *Brain and behavior*, 12(3), e2505.

Kawata M, et al. (2022) Long-range axonal projections of transplanted mouse embryonic stem cell-derived hypothalamic neurons into adult mouse brain. *PloS one*, 17(11), e0276694.

Lin YL, et al. (2022) Cellular mechanisms underlying central sensitization in a mouse model of chronic muscle pain. *eLife*, 11.

Tsai TC, et al. (2022) Distinct Contribution of Granular and Agranular Subdivisions of the Retrosplenial Cortex to Remote Contextual Fear Memory Retrieval. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 42(5), 877.

Martella D, et al. (2021) Cell instructive Liquid Crystalline Networks for myotube formation. *iScience*, 24(9), 103077.

Karagiannis A, et al. (2021) Lactate is an energy substrate for rodent cortical neurons and enhances their firing activity. *eLife*, 10.