Resource Summary Report

Generated by FDI Lab - SciCrunch.org on May 2, 2024

Anti-Ca2+ channel | P/Q-type, alpha-1A subunit

RRID:AB_2619841
Type: Antibody

Proper Citation

(Synaptic Systems Cat# 152 203, RRID:AB_2619841)

Antibody Information

URL: http://antibodyregistry.org/AB_2619841

Proper Citation: (Synaptic Systems Cat# 152 203, RRID:AB_2619841)

Target Antigen: Ca2+ channel (P/Q-type, alpha-1A subunit)

Host Organism: rabbit

Clonality: polyclonal

Comments: Applications: WB,ICC,IHC,EM. KO validated

Antibody Name: Anti-Ca2+ channel | P/Q-type, alpha-1A subunit

Description: This polyclonal targets Ca2+ channel (P/Q-type, alpha-1A subunit)

Target Organism: mouse, rat

Antibody ID: AB_2619841

Vendor: Synaptic Systems

Catalog Number: 152 203

Ratings and Alerts

No rating or validation information has been found for Anti-Ca2+ channel | P/Q-type, alpha-1A subunit.

No alerts have been found for Anti-Ca2+ channel | P/Q-type, alpha-1A subunit.

Data and Source Information

Source: Antibody Registry

Usage and Citation Metrics

We found 20 mentions in open access literature.

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

Miyano R, et al. (2024) RIM-BP2 regulates Ca2+ channel abundance and neurotransmitter release at hippocampal mossy fiber terminals. eLife, 12.

Hennlein L, et al. (2023) Plastin 3 rescues cell surface translocation and activation of TrkB in spinal muscular atrophy. The Journal of cell biology, 222(3).

Emperador-Melero J, et al. (2023) Molecular definition of distinct active zone protein machineries for Ca2+ channel clustering and synaptic vesicle priming. bioRxiv : the preprint server for biology.

Chin M, et al. (2023) The intracellular C-terminus confers compartment-specific targeting of voltage-gated Ca2+ channels. bioRxiv : the preprint server for biology.

Jun S, et al. (2023) Organization of Purkinje cell development by neuronal MEGF11 in cerebellar granule cells. Cell reports, 42(9), 113137.

Tan C, et al. (2022) Rebuilding essential active zone functions within a synapse. Neuron, 110(9), 1498.

Weber-Boyvat M, et al. (2022) The lipid transporter ORP2 regulates synaptic neurotransmitter release via two distinct mechanisms. Cell reports, 41(13), 111882.

Emperador-Melero J, et al. (2021) PKC-phosphorylation of Liprin-?3 triggers phase separation and controls presynaptic active zone structure. Nature communications, 12(1), 3057.

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

Emperador-Melero J, et al. (2021) Intact synapse structure and function after combined knockout of PTP?, PTP?, and LAR. eLife, 10.

Ferrante D, et al. (2021) PRRT2 modulates presynaptic Ca2+ influx by interacting with P/Q-type channels. Cell reports, 35(11), 109248.

Luo F, et al. (2020) Neurexins cluster Ca2+ channels within the presynaptic active zone. The EMBO journal, 39(7), e103208.

Held RG, et al. (2020) Synapse and Active Zone Assembly in the Absence of Presynaptic Ca2+ Channels and Ca2+ Entry. Neuron, 107(4), 667.

Holderith N, et al. (2020) A High-Resolution Method for Quantitative Molecular Analysis of Functionally Characterized Individual Synapses. Cell reports, 32(4), 107968.

Bikbaev A, et al. (2020) Auxiliary ?2?1 and ?2?3 Subunits of Calcium Channels Drive Excitatory and Inhibitory Neuronal Network Development. The Journal of neuroscience : the official journal of the Society for Neuroscience, 40(25), 4824.

Han KA, et al. (2020) Receptor protein tyrosine phosphatase delta is not essential for synapse maintenance or transmission at hippocampal synapses. Molecular brain, 13(1), 94.

Opri?oreanu AM, et al. (2019) Interaction of Axonal Chondrolectin with Collagen XIXa1 Is Necessary for Precise Neuromuscular Junction Formation. Cell reports, 29(5), 1082.

Brockmann MM, et al. (2019) RIM-BP2 primes synaptic vesicles via recruitment of Munc13-1 at hippocampal mossy fiber synapses. eLife, 8.

Éltes T, et al. (2017) Target Cell Type-Dependent Differences in Ca2+ Channel Function Underlie Distinct Release Probabilities at Hippocampal Glutamatergic Terminals. The Journal of neuroscience : the official journal of the Society for Neuroscience, 37(7), 1910.

Wang SSH, et al. (2016) Fusion Competent Synaptic Vesicles Persist upon Active Zone Disruption and Loss of Vesicle Docking. Neuron, 91(4), 777.