Resource Summary Report

Generated by NIF on Jul 31, 2026

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

RRID:AB_2619842
Type: Antibody

Proper Citation

Synaptic Systems Cat# 152 205, RRID:AB_2619842

Antibody Information

URL: http://antibodyregistry.org/AB_2619842

Proper Citation: Synaptic Systems Cat# 152 205, RRID:AB_2619842

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

Host Organism: guinea pig

Clonality: polyclonal

Comments: Applications: WB,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: Rat, Mouse

Antibody ID: AB_2619842

Vendor: Synaptic Systems

Catalog Number: 152 205

Record Creation Time: 20250820T042053+0000

Record Last Update: 20250820T184407+0000

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 14 mentions in open access literature.

Listed below are recent publications. The full list is available at NIF .

Schroeder ME, et al. (2025) A transcriptomic atlas of astrocyte heterogeneity across space and time in mouse and marmoset. Neuron, 113(23), 3942.

Chen JJ, et al. (2024) Developmental transformation of Ca2+ channel-vesicle nanotopography at a central GABAergic synapse. Neuron, 112(5), 755.

Kim O, et al. (2024) Presynaptic cAMP-PKA-mediated potentiation induces reconfiguration of synaptic vesicle pools and channel-vesicle coupling at hippocampal mossy fiber boutons. PLoS biology, 22(11), e3002879.

Uggerud IM, et al. (2023) Development and Optimization of a Multilayer Rat Purkinje Neuron Culture. Cerebellum (London, England).

Eguchi K, et al. (2023) Nanoscale Phosphoinositide Distribution on Cell Membranes of Mouse Cerebellar Neurons. The Journal of neuroscience : the official journal of the Society for Neuroscience, 43(23), 4197.

Aldahabi M, et al. (2022) Different priming states of synaptic vesicles underlie distinct release probabilities at hippocampal excitatory synapses. Neuron, 110(24), 4144.

Holderith N, et al. (2021) Selective Enrichment of Munc13-2 in Presynaptic Active Zones of Hippocampal Pyramidal Cells That Innervate mGluR1? Expressing Interneurons. Frontiers in synaptic neuroscience, 13, 773209.

Karlocai MR, et al. (2021) Variability in the Munc13-1 content of excitatory release sites. eLife, 10.

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

Radulovic T, et al. (2020) Presynaptic development is controlled by the core active zone proteins CAST/ELKS. The Journal of physiology, 598(12), 2431.

Lübbert M, et al. (2019) CaV2.1 ?1 Subunit Expression Regulates Presynaptic CaV2.1 Abundance and Synaptic Strength at a Central Synapse. Neuron, 101(2), 260.

Härönen H, et al. (2019) Correct expression and localization of collagen XIII are crucial for the normal formation and function of the neuromuscular system. The European journal of neuroscience, 49(11), 1491.

Dong W, et al. (2018) CAST/ELKS Proteins Control Voltage-Gated Ca2+ Channel Density and Synaptic Release Probability at a Mammalian Central Synapse. Cell reports, 24(2), 284.

Kerti-Szigeti K, et al. (2016) Similar GABAA receptor subunit composition in somatic and axon initial segment synapses of hippocampal pyramidal cells. eLife, 5.