# Resource Summary Report

Generated by FDI Lab - SciCrunch.org on Apr 11, 2025

## 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:** 20231110T034858+0000

**Record Last Update:** 20240725T031101+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 FDI Lab - SciCrunch.org.


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.

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

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

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.

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.

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

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.