

Resource Summary Report

Generated by [RRID](#) on Sep 11, 2026

Anti-Synaptophysin 1

RRID:AB_887905

Type: Antibody

Proper Citation

Synaptic Systems Cat# 101 002, RRID:AB_887905

Antibody Information

URL: http://antibodyregistry.org/AB_887905

Proper Citation: Synaptic Systems Cat# 101 002, RRID:AB_887905

Target Antigen: Synaptophysin 1

Host Organism: rabbit

Clonality: polyclonal

Comments: Applications: WB,IP,ICC,IHC,IHC-P,EM,ELISA
Consolidation 6/2023: AB_2198887

Antibody Name: Anti-Synaptophysin 1

Description: This polyclonal targets Synaptophysin 1

Target Organism: Human, Rat, Frog, Zebrafish, Cow, Mouse, Chicken, Hamster

Defining Citation: [PMID:19844895](#), [PMID:20235171](#), [PMID:20575068](#), [PMID:23749657](#)

Antibody ID: AB_887905

Vendor: Synaptic Systems

Catalog Number: 101 002

Record Creation Time: 20231110T042747+0000

Record Last Update: 20260829T135227+0000

Ratings and Alerts

No rating or validation information has been found for Anti-Synaptophysin 1.

No alerts have been found for Anti-Synaptophysin 1.

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 [RRID](#) .

Unterauer EM, et al. (2025) Protocol for SUM-PAINT spatial proteomic imaging generating neuronal architecture maps in rat hippocampal neurons. STAR protocols, 6(1), 103637.

Nascimento C, et al. (2024) Impaired Response to Mismatch Novelty in the Li2+-Pilocarpine Rat Model of TLE: Correlation with Hippocampal Monoaminergic Inputs. Biomedicines, 12(3).

Gil M, et al. (2024) Postweaning Development Influences Endogenous VPAC1 Modulation of LTP Induced by Theta-Burst Stimulation: A Link to Maturation of the Hippocampal GABAergic System. Biomolecules, 14(3).

da Costa Souza F, et al. (2023) Oxidized linoleic acid metabolites regulate neuronal morphogenesis in vitro. Neurochemistry international, 164, 105506.

Jiang ZJ, et al. (2023) The SphK1/S1P Axis Regulates Synaptic Vesicle Endocytosis via TRPC5 Channels. The Journal of neuroscience : the official journal of the Society for Neuroscience, 43(21), 3807.

Grochowska KM, et al. (2023) Jacob-induced transcriptional inactivation of CREB promotes A β -induced synapse loss in Alzheimer's disease. The EMBO journal, 42(4), e112453.

Teo S, et al. (2023) S-acylation of the Wnt receptor Frizzled-5 by zDHHC5 controls its cellular localization and synaptogenic activity in the rodent hippocampus. Developmental cell, 58(20), 2063.

Linares GR, et al. (2023) SYF2 suppression mitigates neurodegeneration in models of diverse forms of ALS. Cell stem cell, 30(2), 171.

Upmanyu N, et al. (2022) Colocalization of different neurotransmitter transporters on synaptic vesicles is sparse except for VGLUT1 and ZnT3. Neuron, 110(9), 1483.

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

Shahbazian S, et al. (2021) Polysialic acid in the rat brainstem and thoracolumbar spinal cord: Distribution, cellular location, and comparison with mouse. The Journal of comparative neurology, 529(4), 811.

Wang M, et al. (2021) Transformative Network Modeling of Multi-omics Data Reveals Detailed Circuits, Key Regulators, and Potential Therapeutics for Alzheimer's Disease. *Neuron*, 109(2), 257.

Santa-Marinha L, et al. (2020) Phospholipase D1 Ablation Disrupts Mouse Longitudinal Hippocampal Axis Organization and Functioning. *Cell reports*, 30(12), 4197.

Bikbaev A, et al. (2020) Auxiliary α_1 and α_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.

Smith HL, et al. (2020) Astrocyte Unfolded Protein Response Induces a Specific Reactivity State that Causes Non-Cell-Autonomous Neuronal Degeneration. *Neuron*, 105(5), 855.

Piriya Ananda Babu L, et al. (2020) Microtubule and Actin Differentially Regulate Synaptic Vesicle Cycling to Maintain High-Frequency Neurotransmission. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 40(1), 131.

Chantranupong L, et al. (2020) Rapid purification and metabolomic profiling of synaptic vesicles from mammalian brain. *eLife*, 9.

Ripamonti S, et al. (2017) Transient oxytocin signaling primes the development and function of excitatory hippocampal neurons. *eLife*, 6.

Okerlund ND, et al. (2017) Bassoon Controls Presynaptic Autophagy through Atg5. *Neuron*, 93(4), 897.

Espuny-Camacho I, et al. (2017) Hallmarks of Alzheimer's Disease in Stem-Cell-Derived Human Neurons Transplanted into Mouse Brain. *Neuron*, 93(5), 1066.