

Resource Summary Report

Generated by [RRID](#) on Jul 31, 2026

Anti-Synaptophysin 1

RRID:AB_1210382

Type: Antibody

Proper Citation

Synaptic Systems Cat# 101 004, RRID:AB_1210382

Antibody Information

URL: http://antibodyregistry.org/AB_1210382

Proper Citation: Synaptic Systems Cat# 101 004, RRID:AB_1210382

Target Antigen: Synaptophysin 1

Host Organism: guinea pig

Clonality: polyclonal

Comments: Applications: WB, IP, ICC,IHC, IHC-P

Antibody Name: Anti-Synaptophysin 1

Description: This polyclonal targets Synaptophysin 1

Target Organism: chicken, rat, hamster, cow, mouse, frog, human

Antibody ID: AB_1210382

Vendor: Synaptic Systems

Catalog Number: 101 004

Record Creation Time: 20250819T235610+0000

Record Last Update: 20250820T065240+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 79 mentions in open access literature.

Listed below are recent publications. The full list is available at [RRID](#) .

Jiao H, et al. (2025) Time-restricted feeding provides limited microglial immunometabolic improvements in diet-induced obese rats. *Cell reports*, 44(10), 116380.

Dong J, et al. (2025) Rab10 regulates neuropeptide release by maintaining Ca²⁺ homeostasis and protein synthesis. *eLife*, 13.

Dorrego-Rivas A, et al. (2025) Strikingly different neurotransmitter release strategies in dopaminergic subclasses. *eLife*, 14.

Pagiazitis JG, et al. (2025) Catecholaminergic dysfunction drives postural and locomotor deficits in a mouse model of spinal muscular atrophy. *Cell reports*, 44(1), 115147.

Jeans AF, et al. (2025) CaV2.1 mediates presynaptic dysfunction induced by amyloid ?? oligomers. *Cell reports*, 44(4), 115451.

Zhdanova DY, et al. (2025) Effect of Small Extracellular Vesicles Produced by Mesenchymal Stem Cells on 5xFAD Mice Hippocampal Cultures. *International journal of molecular sciences*, 26(9).

del Angel M, et al. (2025) The Serine/Threonine Kinase NDR2 Regulates Integrin Signaling, Synapse Formation, and Synaptic Plasticity in the Hippocampus. *Journal of neurochemistry*, 169(6), e70094.

Hann SH, et al. (2024) Depletion of SMN protein in mesenchymal progenitors impairs the development of bone and neuromuscular junction in spinal muscular atrophy. *eLife*, 12.

Weesner JA, et al. (2024) Altered GM1 catabolism affects NMDAR-mediated Ca²⁺ signaling at ER-PM junctions and increases synaptic spine formation in a GM1-gangliosidosis model. *Cell reports*, 43(5), 114117.

Asghari Adib E, et al. (2024) DLK signaling in axotomized neurons triggers complement activation and loss of upstream synapses. *Cell reports*, 43(2), 113801.

Xu Y, et al. (2024) Microglial Refinement of A-Fiber Projections in the Postnatal Spinal Cord Dorsal Horn Is Required for Normal Maturation of Dynamic Touch. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 44(2).

Konno T, et al. (2024) Endoplasmic reticulum morphology regulation by RTN4 modulates neuronal regeneration by curbing luminal transport. *Cell reports*, 43(7), 114357.

Dou D, et al. (2024) RAB3 phosphorylation by pathogenic LRRK2 impairs trafficking of synaptic vesicle precursors. *The Journal of cell biology*, 223(6).

Jiang H, et al. (2024) Divergent sensory pathways of sneezing and coughing. *Cell*, 187(21), 5981.

Ciarpella F, et al. (2023) Generation of mouse hippocampal brain organoids from primary embryonic neural stem cells. *STAR protocols*, 4(3), 102413.

Seibert MJ, et al. (2023) Synaptotagmin 9 Modulates Spontaneous Neurotransmitter Release in Striatal Neurons by Regulating Substance P Secretion. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 43(9), 1475.

Limone F, et al. (2023) Efficient generation of lower induced motor neurons by coupling Ngn2 expression with developmental cues. *Cell reports*, 42(1), 111896.

Watson ET, et al. (2023) Synaptic vesicle proteins are selectively delivered to axons in mammalian neurons. *eLife*, 12.

Bingham D, et al. (2023) Presynapses contain distinct actin nanostructures. *The Journal of cell biology*, 222(10).

Batenburg KL, et al. (2023) A Human Neuron/Astrocyte Co-culture to Model Seeded and Spontaneous Intraneuronal Tau Aggregation. *Current protocols*, 3(10), e900.