

Resource Summary Report

Generated by [RRID](#) on Aug 14, 2026

Synaptophysin antibody [SY38]

RRID:AB_2198854

Type: Antibody

Proper Citation

Abcam Cat# ab8049, RRID:AB_2198854

Antibody Information

URL: http://antibodyregistry.org/AB_2198854

Proper Citation: Abcam Cat# ab8049, RRID:AB_2198854

Target Antigen: Synaptophysin antibody [SY38]

Host Organism: mouse

Clonality: monoclonal

Comments: validation status unknown, seller recommendations provided in 2012:
Western Blot; Immunocytochemistry; Immunohistochemistry - fixed; Immunofluorescence;
Flow Cytometry; Immunohistochemistry - frozen; Immunohistochemistry; Flow Cyt, ICC/IF,
IHC-Fr, IHC-P, WB

Antibody Name: Synaptophysin antibody [SY38]

Description: This monoclonal targets Synaptophysin antibody [SY38]

Target Organism: rat, hamster, cow, mouse, bovine, human

Antibody ID: AB_2198854

Vendor: Abcam

Catalog Number: ab8049

Record Creation Time: 20250820T025315+0000

Record Last Update: 20250820T144643+0000

Ratings and Alerts

No rating or validation information has been found for Synaptophysin antibody [SY38].

No alerts have been found for Synaptophysin antibody [SY38].

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 55 mentions in open access literature.

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

Liu Y, et al. (2026) Human PSC-derived organoids model sympathetic ganglion development and its functional crosstalk with the heart. *Cell stem cell*, 33(1), 29.

Liu H, et al. (2026) Vaginal microbiota transfer ameliorates cesarean-associated neurodevelopmental deficits in mice via N-bc2S1P synthesis on neonatal skin. *Cell host & microbe*, 34(5), 942.

Jablonka-Shariff A, et al. (2025) Absence of T-box transcription factor 21 limits neuromuscular junction recovery after nerve injury in T-bet-knockout mice. *Frontiers in cell and developmental biology*, 13, 1535323.

Xiao B, et al. (2025) Treadmill exercise in combination with acousto-optic and olfactory stimulation improves cognitive function in APP/PS1 mice through the brain-derived neurotrophic factor- and Cygb-associated signaling pathways. *Neural regeneration research*, 20(9), 2706.

Zhu J, et al. (2025) Fc-Modified IVIG with Enhanced Blood-Brain Barrier Penetration Ameliorates Cognitive Deficits and Neuropathology in A53T α -Synuclein Transgenic Mice. *Cellular and molecular neurobiology*, 45(1), 103.

Yin Y, et al. (2025) Generation of self-organized neuromusculoskeletal tri-tissue organoids from human pluripotent stem cells. *Cell stem cell*, 32(1), 157.

Leitz J, et al. (2025) Author Correction: Observing isolated synaptic vesicle association and fusion ex vivo. *Nature protocols*.

West S, et al. (2025) Glycine-to-aspartic acid mutation at codon 51 in Snca disrupts the synaptic localisation of α -synuclein and enhances its propensity for synucleinopathy. *Brain communications*, 7(3), fcaf224.

Braunstein PW, et al. (2024) Daily fluctuations in blood glucose with normal aging are inversely related to hippocampal synaptic mitochondrial proteins. *Aging brain*, 5, 100116.

Hacisuleyman E, et al. (2024) Neuronal activity rapidly reprograms dendritic translation via eIF4G2:uORF binding. *Nature neuroscience*, 27(5), 822.

Zhu D, et al. (2024) Overabundant endocannabinoids in neurons are detrimental to cognitive function. *bioRxiv : the preprint server for biology*.

Li Z, et al. (2024) Nuclear microRNA-mediated transcriptional control determines adult microglial homeostasis and brain function. *Cell reports*, 43(3), 113964.

Lv Z, et al. (2024) Clearance of β -amyloid and synapses by the optogenetic depolarization of microglia is complement selective. *Neuron*, 112(5), 740.

Gauer C, et al. (2024) CSF1R-mediated myeloid cell depletion shifts the ratio of motor cortical excitatory to inhibitory neurons in a multiple system atrophy model. *Experimental neurology*, 374, 114706.

Liu XY, et al. (2023) Low-temperature 3D-printed collagen/chitosan scaffolds loaded with exosomes derived from neural stem cells pretreated with insulin growth factor-1 enhance neural regeneration after traumatic brain injury. *Neural regeneration research*, 18(9), 1990.

Carew JA, et al. (2023) Differential Myosin 5a splice variants in innervation of pelvic organs. *Frontiers in physiology*, 14, 1304537.

Eckman EA, et al. (2023) Nascent A β 42 Fibrillization in Synaptic Endosomes Precedes Plaque Formation in a Mouse Model of Alzheimer's-like β -Amyloidosis. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 43(50), 8812.

Zhan J, et al. (2023) Loss of the Novel Myelin Protein CMTM5 in Multiple Sclerosis Lesions and Its Involvement in Oligodendroglial Stress Responses. *Cells*, 12(16).

Lang HL, et al. (2023) Small extracellular vesicles secreted by induced pluripotent stem cell-derived mesenchymal stem cells improve postoperative cognitive dysfunction in mice with diabetes. *Neural regeneration research*, 18(3), 609.

Colom-Cadena M, et al. (2023) Synaptic oligomeric tau in Alzheimer's disease - A potential culprit in the spread of tau pathology through the brain. *Neuron*, 111(14), 2170.