

Resource Summary Report

Generated by [dkNET](#) on Sep 3, 2026

Mouse Anti-Rat Synaptophysin Monoclonal Antibody, Unconjugated, Clone SVP-38

RRID:AB_477523

Type: Antibody

Proper Citation

Sigma-Aldrich Cat# S5768, RRID:AB_477523

Antibody Information

URL: http://antibodyregistry.org/AB_477523

Proper Citation: Sigma-Aldrich Cat# S5768, RRID:AB_477523

Target Antigen: Synaptophysin

Host Organism: mouse

Clonality: monoclonal

Comments: Vendor recommendations: ELISA; Immunohistochemistry; Western Blot; Indirect ELISA, Immunohistochemistry (Frozen sections), Immunohistochemistry (Paraffin sections), Western Blot

Antibody Name: Mouse Anti-Rat Synaptophysin Monoclonal Antibody, Unconjugated, Clone SVP-38

Description: This monoclonal targets Synaptophysin

Target Organism: guinea pig, rat, porcine, pig, human

Clone ID: Clone SVP-38

Defining Citation: [PMID:19827159](#), [PMID:18634004](#), [PMID:17177254](#), [PMID:20437528](#), [PMID:20575068](#), [PMID:18181141](#), [PMID:17299755](#), [PMID:18220258](#), [PMID:19003975](#), [PMID:21452215](#), [PMID:18381590](#), [PMID:18219665](#), [PMID:18022952](#), [PMID:22522966](#)

Antibody ID: AB_477523

Vendor: Sigma-Aldrich

Catalog Number: S5768

Record Creation Time: 20231110T044353+0000

Record Last Update: 20260829T065134+0000

Ratings and Alerts

No rating or validation information has been found for Mouse Anti-Rat Synaptophysin Monoclonal Antibody, Unconjugated, Clone SVP-38.

No alerts have been found for Mouse Anti-Rat Synaptophysin Monoclonal Antibody, Unconjugated, Clone SVP-38.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 82 mentions in open access literature.

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

Øhlenschläger MS, et al. (2026) Modeling Synaptic Maturation From Growth Cone to Synapse in Human Organoids. *Journal of neurochemistry*, 170(5), e70458.

Rodriguez Y, et al. (2026) The Ovine Brain as a Model for Human Neurodevelopment: Immunohistochemical Profiling of Brain Maturation Markers in Preterm Lambs. *The Journal of comparative neurology*, 534(3), e70149.

Spanò T, et al. (2026) Localized mRNAs and protein synthesis in cortical layer 1. *Cell reports*, 45(7), 117687.

Pandey S, et al. (2025) A critical role of Neuroligin 2 C-terminus in OCD and social behavior. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 45(19).

Pereyra G, et al. (2025) SFRP1 upregulation causes hippocampal synaptic dysfunction and memory impairment. *Cell reports*, 44(4), 115535.

Jiang Y, et al. (2025) Increased neuronal expression of the early endosomal adaptor APPL1 replicates Alzheimer's Disease-related endosomal and synaptic dysfunction with cholinergic neurodegeneration. *bioRxiv : the preprint server for biology*.

Daudelin D, et al. (2025) Novel Roles of the GPI-Anchor Cleaving Enzyme, GDE2, in Hippocampal Synaptic Morphology and Function. *eNeuro*, 12(7).

Kroon C, et al. (2025) Phosphorylation of presynaptic PLPPR3 controls synaptic vesicle release. *iScience*, 28(9), 113435.

Jiang Y, et al. (2025) Increased Neuronal Expression of the Early Endosomal Adaptor APPL1 Replicates Alzheimer's Disease-Related Endosomal and Synaptic Dysfunction with Cholinergic Neurodegeneration. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 45(29).

Zhang Z, et al. (2025) A sensory and motor neuropathy caused by a genetic variant of NAMPT. *Science advances*, 11(39), eadx2407.

Alateeq R, et al. (2024) Apocynin Prevents Cigarette Smoke-Induced Anxiety-Like Behavior and Preserves Microglial Profiles in Male Mice. *Antioxidants (Basel, Switzerland)*, 13(7).

Lépine S, et al. (2024) Homozygous ALS-linked mutations in TARDBP/TDP-43 lead to hypoactivity and synaptic abnormalities in human iPSC-derived motor neurons. *iScience*, 27(3), 109166.

Aiken J, et al. (2024) Spastin locally amplifies microtubule dynamics to pattern the axon for presynaptic cargo delivery. *Current biology : CB*, 34(8), 1687.

Caputo M, et al. (2024) Phospholipid Scramblase 1 Controls Efficient Neurotransmission and Synaptic Vesicle Retrieval at Cerebellar Synapses. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 44(27).

Zhang C, et al. (2024) Transcranial Magneto-Acoustic Stimulation Protects Synaptic Rehabilitation from Amyloid-Beta Plaques via Regulation of Microglial Functions. *International journal of molecular sciences*, 25(9).

van Oostrum M, et al. (2023) The proteomic landscape of synaptic diversity across brain regions and cell types. *Cell*, 186(24), 5411.

Bygrave AM, et al. (2023) Btbd11 supports cell-type-specific synaptic function. *Cell reports*, 42(6), 112591.

Ito T, et al. (2023) Astrotactin 2 (ASTN2) regulates emotional and cognitive functions by affecting neuronal morphogenesis and monoaminergic systems. *Journal of neurochemistry*, 165(2), 211.

Stil A, et al. (2023) A simple method for poly-D-lysine coating to enhance adhesion and maturation of primary cortical neuron cultures in vitro. *Frontiers in cellular neuroscience*, 17, 1212097.

Madeira D, et al. (2023) Astrocytic A2A receptors silencing negatively impacts hippocampal synaptic plasticity and memory of adult mice. *Glia*.