Resource Summary Report

Generated by dkNET on Sep 3, 2026

Monoclonal Anti-Synaptophysin antibody produced in mouse

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 antibody produced in mouse

Host Organism: mouse

Clonality: monoclonal

Comments: Vendor recommendations: IgG1 Immunohistochemistry; ELISA; Western Blot; indirect ELISA: suitable, immunoblotting: suitable, immunohistochemistry (frozen sections): 1:200

Antibody Name: Monoclonal Anti-Synaptophysin antibody produced in mouse

Description: This monoclonal targets Synaptophysin antibody produced in mouse

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

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: 20231110T080854+0000

Record Last Update: 20260829T213156+0000

Ratings and Alerts

No rating or validation information has been found for Monoclonal Anti-Synaptophysin antibody produced in mouse.

No alerts have been found for Monoclonal Anti-Synaptophysin antibody produced in mouse.

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 .

Øhlenschlæger 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.