

Resource Summary Report

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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: 20241115T040017+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 87 mentions in open access literature.

Listed below are recent publications. The full list is available at [FDI Lab - SciCrunch.org](#).

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

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.

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.

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

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.

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.

Zhong L, et al. (2023) TREM2 receptor protects against complement-mediated synaptic loss by binding to complement C1q during neurodegeneration. *Immunity*, 56(8), 1794.

Madeira D, et al. (2023) Modification of astrocytic Cx43 hemichannel activity in animal models of AD: modulation by adenosine A2A receptors. *Cellular and molecular life sciences : CMLS*, 80(11), 340.

Victor MB, et al. (2022) Lipid accumulation induced by APOE4 impairs microglial surveillance of neuronal-network activity. *Cell stem cell*, 29(8), 1197.

Shimada H, et al. (2022) A next-generation iPSC-derived forebrain organoid model of tauopathy with tau fibrils by AAV-mediated gene transfer. *Cell reports methods*, 2(9), 100289.

Maeda S, et al. (2022) Morphology of Schwann Cell Processes Supports Renal Sympathetic Nerve Terminals With Local Distribution of Adrenoceptors. *The journal of histochemistry and cytochemistry : official journal of the Histochemistry Society*, 70(7), 495.

Toledo A, et al. (2022) MDGAs are fast-diffusing molecules that delay excitatory synapse development by altering neuroligin behavior. *eLife*, 11.

P B Gomes M, et al. (2022) Prion protein complexed to a DNA aptamer induce behavioral and synapse dysfunction in mice. *Behavioural brain research*, 419, 113680.

De Luca SN, et al. (2022) Ebselen prevents cigarette smoke-induced cognitive dysfunction in mice by preserving hippocampal synaptophysin expression. *Journal of neuroinflammation*, 19(1), 72.

Wennagel D, et al. (2022) Huntingtin coordinates dendritic spine morphology and function through cofilin-mediated control of the actin cytoskeleton. *Cell reports*, 40(9), 111261.

El Chehadeh S, et al. (2022) SLITRK2 variants associated with neurodevelopmental disorders impair excitatory synaptic function and cognition in mice. *Nature communications*, 13(1), 4112.

Moore AM, et al. (2021) Prenatal Androgen Exposure Alters KNDy Neurons and Their Afferent Network in a Model of Polycystic Ovarian Syndrome. *Endocrinology*, 162(11).