

Resource Summary Report

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Synaptophysin antibody

RRID:AB_301417

Type: Antibody

Proper Citation

(Abcam Cat# ab14692, RRID:AB_301417)

Antibody Information

URL: http://antibodyregistry.org/AB_301417

Proper Citation: (Abcam Cat# ab14692, RRID:AB_301417)

Target Antigen: Synaptophysin antibody

Host Organism: rabbit

Clonality: polyclonal

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

Antibody Name: Synaptophysin antibody

Description: This polyclonal targets Synaptophysin antibody

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

Antibody ID: AB_301417

Vendor: Abcam

Catalog Number: ab14692

Record Creation Time: 20231110T081520+0000

Record Last Update: 20241115T090559+0000

Ratings and Alerts

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

No alerts have been found for Synaptophysin antibody.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 18 mentions in open access literature.

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

Liu K, et al. (2024) The decreased astrocyte-microglia interaction reflects the early characteristics of Alzheimer's disease. *iScience*, 27(3), 109281.

P A H, et al. (2024) Mitigation of synaptic and memory impairments via F-actin stabilization in Alzheimer's disease. *Alzheimer's research & therapy*, 16(1), 200.

Liu LF, et al. (2023) Inhibiting 5-hydroxytryptamine receptor 3 alleviates pathological changes of a mouse model of Alzheimer's disease. *Neural regeneration research*, 18(9), 2019.

Calanni JS, et al. (2023) Early life stress induces visual dysfunction and retinal structural alterations in adult mice. *Journal of neurochemistry*, 165(3), 362.

Nguyen TTM, et al. (2023) Mitochondrial Bcl-xL promotes brain synaptogenesis by controlling non-lethal caspase activation. *iScience*, 26(5), 106674.

Li KX, et al. (2023) Astrocyte-neuron communication mediated by the Notch signaling pathway: focusing on glutamate transport and synaptic plasticity. *Neural regeneration research*, 18(10), 2285.

Rajkumar S, et al. (2023) Fast and efficient synaptosome isolation and post-synaptic density enrichment from hiPSC-motor neurons by biochemical sub-cellular fractionation. *STAR protocols*, 4(1), 102061.

Simonsen ØW, et al. (2022) Retrosplenial and subicular inputs converge on superficially projecting layer V neurons of medial entorhinal cortex. *Brain structure & function*, 227(8), 2821.

Soman SK, et al. (2021) Cleaved PINK1 induces neuronal plasticity through PKA-mediated BDNF functional regulation. *Journal of neuroscience research*, 99(9), 2134.

Zhang H, et al. (2021) ErbB4 mediates amyloid β -induced neurotoxicity through JNK/tau pathway activation: Implications for Alzheimer's disease. *The Journal of comparative neurology*, 529(15), 3497.

Shenton FC, et al. (2021) Distribution and morphology of sensory and autonomic fibres in the subendocardial plexus of the rat heart. *Journal of anatomy*, 238(1), 36.

Ran J, et al. (2020) ASK1-Mediated Phosphorylation Blocks HDAC6 Ubiquitination and Degradation to Drive the Disassembly of Photoreceptor Connecting Cilia. *Developmental cell*, 53(3), 287.

Kommaddi RP, et al. (2019) Glutaredoxin1 Diminishes Amyloid Beta-Mediated Oxidation of F-Actin and Reverses Cognitive Deficits in an Alzheimer's Disease Mouse Model. *Antioxidants & redox signaling*, 31(18), 1321.

Forget A, et al. (2018) Aberrant ERBB4-SRC Signaling as a Hallmark of Group 4 Medulloblastoma Revealed by Integrative Phosphoproteomic Profiling. *Cancer cell*, 34(3), 379.

Gray NE, et al. (2018) Centella asiatica increases hippocampal synaptic density and improves memory and executive function in aged mice. *Brain and behavior*, 8(7), e01024.

Reim D, et al. (2017) Proteomic Analysis of Post-synaptic Density Fractions from Shank3 Mutant Mice Reveals Brain Region Specific Changes Relevant to Autism Spectrum Disorder. *Frontiers in molecular neuroscience*, 10, 26.

Sun F, et al. (2016) Pgrmc1/BDNF Signaling Plays a Critical Role in Mediating Glia-Neuron Cross Talk. *Endocrinology*, 157(5), 2067.

Schoen M, et al. (2015) Super-Resolution Microscopy Reveals Presynaptic Localization of the ALS/FTD Related Protein FUS in Hippocampal Neurons. *Frontiers in cellular neuroscience*, 9, 496.