Resource Summary Report

Generated by NIF on Sep 8, 2026

Anti-Synapsin I

RRID:AB_90757
Type: Antibody

Proper Citation

Millipore Cat# AB1543P, RRID:AB_90757

Antibody Information

URL: http://antibodyregistry.org/AB_90757

Proper Citation: Millipore Cat# AB1543P, RRID:AB_90757

Target Antigen: Synapsin I

Host Organism: rabbit

Clonality: polyclonal

Comments: seller recommendations: Immunocytochemistry; Western Blot; ELISA; Immunohistochemistry; Immunoprecipitation; ELISA, IC, IH, IH(P), IP, WB

Antibody Name: Anti-Synapsin I

Description: This polyclonal targets Synapsin I

Target Organism: b, h, m, r

Antibody ID: AB_90757

Vendor: Millipore

Catalog Number: AB1543P

Record Creation Time: 20231110T081634+0000

Record Last Update: 20260901T064739+0000

Ratings and Alerts

No rating or validation information has been found for Anti-Synapsin I.

No alerts have been found for Anti-Synapsin I.

Data and Source Information

Source: Antibody Registry

Usage and Citation Metrics

We found 36 mentions in open access literature.

Listed below are recent publications. The full list is available at NIF .

Jin M, et al. (2026) Chimeric brain models to study human glial-neuronal and macroglial-microglial interactions. Cell reports, 45(1), 116794.

Chen KH, et al. (2025) Loss of the proton-activated chloride channel in neurons impairs AMPA receptor endocytosis and LTD via endosomal hyper-acidification. Cell reports, 44(2), 115302.

Trudler D, et al. (2025) Dysregulation of miRNA expression and excitation in MEF2C autism patient hiPSC-neurons and cerebral organoids. Molecular psychiatry, 30(4), 1479.

Basak B, et al. (2025) Mitochondrial damage triggers the concerted degradation of negative regulators of neuronal autophagy. Nature communications, 16(1), 7367.

Adams JW, et al. (2024) Loss of GTF2I promotes neuronal apoptosis and synaptic reduction in human cellular models of neurodevelopment. Cell reports, 43(3), 113867.

Baytas O, et al. (2024) Loss of mitochondrial enzyme GPT2 leads to reprogramming of synaptic glutamate metabolism. bioRxiv : the preprint server for biology.

Baytas O, et al. (2024) Loss of mitochondrial enzyme GPT2 leads to reprogramming of synaptic glutamate metabolism. Molecular brain, 17(1), 87.

Xiong S, et al. (2023) Glutamate-releasing BEST1 channel is a new target for neuroprotection against ischemic stroke with wide time window. Acta pharmaceutica Sinica. B, 13(7), 3008.

Bingham D, et al. (2023) Presynapses contain distinct actin nanostructures. The Journal of cell biology, 222(10).

Pietil??inen O, et al. (2023) Astrocytic cell adhesion genes linked to schizophrenia correlate with synaptic programs in neurons. Cell reports, 42(1), 111988.

Mijdam R, et al. (2023) Sialic acid biosynthesis pathway blockade disturbs neuronal network formation in human iPSC-derived excitatory neurons. Journal of neurochemistry, 167(1), 76.

Tzioras M, et al. (2023) Human astrocytes and microglia show augmented ingestion of synapses in Alzheimer's disease via MFG-E8. Cell reports. Medicine, 4(9), 101175.

Goldsmith J, et al. (2022) Brain-derived autophagosome profiling reveals the engulfment of nucleoid-enriched mitochondrial fragments by basal autophagy in neurons. Neuron,

110(6), 967.

Shi HJ, et al. (2022) Requirement of hippocampal DG nNOS-CAPON dissociation for the anxiolytic and antidepressant effects of fluoxetine. Theranostics, 12(8), 3656.

Jin M, et al. (2022) Type-I-interferon signaling drives microglial dysfunction and senescence in human iPSC models of Down syndrome and Alzheimer's disease. Cell stem cell, 29(7), 1135.

Chan HH, et al. (2022) Deep cerebellar stimulation enhances cognitive recovery after prefrontal traumatic brain injury in rodent. Experimental neurology, 355, 114136.

Roque C, et al. (2021) Astrocytes contribute to the neuronal recovery promoted by high-frequency repetitive magnetic stimulation in in vitro models of ischemia. Journal of neuroscience research, 99(5), 1414.

Kawai M, et al. (2021) Long-term selective stimulation of transplanted neural stem/progenitor cells for spinal cord injury improves locomotor function. Cell reports, 37(8), 110019.

Kim H, et al. (2021) Generation of human pluripotent stem cell-derived fused organoids with oligodendroglia and myelin. STAR protocols, 2(2), 100443.

Kuhlmann N, et al. (2021) Chronic and Acute Manipulation of Cortical Glutamate Transmission Induces Structural and Synaptic Changes in Co-cultured Striatal Neurons. Frontiers in cellular neuroscience, 15, 569031.