

Resource Summary Report

Generated by [NIF](#) on Jul 29, 2026

Synapsin I antibody - Synaptic Marker

RRID:AB_1281135

Type: Antibody

Proper Citation

Abcam Cat# ab64581, RRID:AB_1281135

Antibody Information

URL: http://antibodyregistry.org/AB_1281135

Proper Citation: Abcam Cat# ab64581, RRID:AB_1281135

Target Antigen: Synapsin I antibody - Synaptic Marker

Host Organism: rabbit

Clonality: polyclonal

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

Antibody Name: Synapsin I antibody - Synaptic Marker

Description: This polyclonal targets Synapsin I antibody - Synaptic Marker

Target Organism: rat, goat, mouse, human, sheep

Antibody ID: AB_1281135

Vendor: Abcam

Catalog Number: ab64581

Record Creation Time: 20250820T063018+0000

Record Last Update: 20250821T001752+0000

Ratings and Alerts

No rating or validation information has been found for Synapsin I antibody - Synaptic Marker.

No alerts have been found for Synapsin I antibody - Synaptic Marker.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 19 mentions in open access literature.

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

Xu K, et al. (2025) ATM deficiency drives phenotypic diversity and Purkinje cell degeneration in a macaque model of ataxia-telangiectasia. *Cell reports. Medicine*, 6(9), 102355.

Stevenson ME, et al. (2023) Neuronal activation of G α q EGL-30/GNAQ late in life rejuvenates cognition across species. *Cell reports*, 42(9), 113151.

Siemsen BM, et al. (2023) Heroin Self-Administration and Extinction Increase Prelimbic Cortical Astrocyte-Synapse Proximity and Alter Dendritic Spine Morphometrics That Are Reversed by N-Acetylcysteine. *Cells*, 12(14).

Yao M, et al. (2022) POSH regulates assembly of the NMDAR/PSD-95/Shank complex and synaptic function. *Cell reports*, 39(1), 110642.

Liu Y, et al. (2022) Aquaporin 4 deficiency eliminates the beneficial effects of voluntary exercise in a mouse model of Alzheimer's disease. *Neural regeneration research*, 17(9), 2079.

Lu Q, et al. (2022) Selective activation of ABCA1/ApoA1 signaling in the V1 by magnetoelectric stimulation ameliorates depression via regulation of synaptic plasticity. *iScience*, 25(5), 104201.

Hwang JY, et al. (2022) CPEB3-dependent increase in GluA2 subunits impairs excitatory transmission onto inhibitory interneurons in a mouse model of fragile X. *Cell reports*, 39(10), 110853.

Olmsted ZT, et al. (2021) Transplantable human motor networks as a neuron-directed strategy for spinal cord injury. *iScience*, 24(8), 102827.

Kim HN, et al. (2021) The thrombin receptor modulates astroglia-neuron trophic coupling and neural repair after spinal cord injury. *Glia*, 69(9), 2111.

Liu H, et al. (2021) Valproic Acid Induces Autism-Like Synaptic and Behavioral Deficits by Disrupting Histone Acetylation of Prefrontal Cortex ALDH1A1 in Rats. *Frontiers in neuroscience*, 15, 641284.

Komorowska-Müller JA, et al. (2021) Cannabinoid receptor 2 deletion influences social memory and synaptic architecture in the hippocampus. *Scientific reports*, 11(1), 16828.

Olmsted ZT, et al. (2021) Fully Characterized Mature Human iPS- and NMP-Derived Motor Neurons Thrive Without Neuroprotection in the Spinal Contusion Cavity. *Frontiers in cellular neuroscience*, 15, 725195.

Sharma Y, et al. (2020) In vitro human stem cell derived cultures to monitor calcium signaling in neuronal development and function. *Wellcome open research*, 5, 16.

Ghosh Dastidar S, et al. (2020) Distinct regulation of bioenergetics and translation by group I mGluR and NMDAR. *EMBO reports*, 21(6), e48037.

Hoffmann S, et al. (2019) Light-Activated ROS Production Induces Synaptic Autophagy. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 39(12), 2163.

Boesmans W, et al. (2019) Structurally defined signaling in neuro-glia units in the enteric nervous system. *Glia*, 67(6), 1167.

Kruger A, et al. (2019) Heroin Cue-Evoked Astrocytic Structural Plasticity at Nucleus Accumbens Synapses Inhibits Heroin Seeking. *Biological psychiatry*, 86(11), 811.

Fang YY, et al. (2018) Evidence of altered depression and dementia-related proteins in the brains of young rats after ovariectomy. *Journal of neurochemistry*, 146(6), 703.

Liu Y, et al. (2018) CRISPR Activation Screens Systematically Identify Factors that Drive Neuronal Fate and Reprogramming. *Cell stem cell*, 23(5), 758.