

Resource Summary Report

Generated by [dkNET](#) on Aug 22, 2026

Anti-Synaptopodin

RRID:AB_10549419

Type: Antibody

Proper Citation

Synaptic Systems Cat# 163 004, RRID:AB_10549419

Antibody Information

URL: http://antibodyregistry.org/AB_10549419

Proper Citation: Synaptic Systems Cat# 163 004, RRID:AB_10549419

Target Antigen: Synaptopodin

Host Organism: guinea pig

Clonality: polyclonal

Comments: Applications: ICC,IHC,IHC-P. KO validated

Antibody Name: Anti-Synaptopodin

Description: This polyclonal targets Synaptopodin

Target Organism: rat, mouse

Antibody ID: AB_10549419

Vendor: Synaptic Systems

Catalog Number: 163 004

Record Creation Time: 20250819T222307+0000

Record Last Update: 20250820T020118+0000

Ratings and Alerts

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

No alerts have been found for Anti-Synaptopodin.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 8 mentions in open access literature.

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

Schneider AJ, et al. (2026) Structural plasticity of the axon initial segment in hippocampal granule cells after entorhinal denervation. Brain research bulletin, 237, 111790.

Lahme K, et al. (2026) Autoantibody-triggered podocyte membrane budding drives autoimmune kidney disease. Cell, 189(1), 123.

Lahme K, et al. (2026) Protocol for isolating human extracellular vesicles from nephrotic urine and enriching autoimmunoglobulin-triggered extracellular vesicles. STAR protocols, 7(3), 104661.

Rößler N, et al. (2024) Maintenance of Lognormal-Like Skewed Dendritic Spine Size Distributions in Dentate Granule Cells of TNF, TNF-R1, TNF-R2, and TNF-R1/2-Deficient Mice. The Journal of comparative neurology, 532(7), e25645.

Smilovic D, et al. (2023) Loss of tumor necrosis factor (TNF)-receptor 1 and TNF-receptor 2 partially replicate effects of TNF deficiency on dendritic spines of granule cells in mouse dentate gyrus. The Journal of comparative neurology, 531(2), 281.

Smilovic D, et al. (2022) Constitutive tumor necrosis factor (TNF)-deficiency causes a reduction in spine density in mouse dentate granule cells accompanied by homeostatic adaptations of spine head size. The Journal of comparative neurology, 530(3), 656.

Speranza L, et al. (2022) Stabilization of Spine Synaptopodin by mGluR1 Is Required for mGluR-LTD. The Journal of neuroscience : the official journal of the Society for Neuroscience, 42(9), 1666.

Speranza L, et al. (2022) Combined DiI and Antibody Labeling Reveals Complex Dysgenesis of Hippocampal Dendritic Spines in a Mouse Model of Fragile X Syndrome. Biomedicines, 10(11).