Resource Summary Report

Generated by NIF on Aug 1, 2026

Anti-Synaptotagmin 1

RRID:AB_11042457
Type: Antibody

Proper Citation

Synaptic Systems Cat# 105 103, RRID:AB_11042457

Antibody Information

URL: http://antibodyregistry.org/AB_11042457

Proper Citation: Synaptic Systems Cat# 105 103, RRID:AB_11042457

Target Antigen: Synaptotagmin 1 (lumenal domain)

Host Organism: rabbit

Clonality: polyclonal

Comments: Applications: WB,IP,ICC,IHC

Antibody Name: Anti-Synaptotagmin 1

Description: This polyclonal targets Synaptotagmin 1 (lumenal domain)

Target Organism: rat, mouse

Antibody ID: AB_11042457

Vendor: Synaptic Systems

Catalog Number: 105 103

Record Creation Time: 20250819T233822+0000

Record Last Update: 20250820T055745+0000

Ratings and Alerts

No rating or validation information has been found for Anti-Synaptotagmin 1.

No alerts have been found for Anti-Synaptotagmin 1.

Data and Source Information

Source: Antibody Registry

Usage and Citation Metrics

We found 9 mentions in open access literature.

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

Lobete M, et al. (2024) A methodology to globally assess ectodomain shedding using soluble fractions from the mouse brain. Frontiers in psychiatry, 15, 1367526.

Delignat-Lavaud B, et al. (2023) Synaptotagmin-1-dependent phasic axonal dopamine release is dispensable for basic motor behaviors in mice. Nature communications, 14(1), 4120.

Blumrich EM, et al. (2023) Phosphatidylinositol 4-kinase II? is a glycogen synthase kinase 3-regulated interaction hub for activity-dependent bulk endocytosis. Cell reports, 42(6), 112633.

Liu GT, et al. (2022) Endosomal phosphatidylinositol 3-phosphate controls synaptic vesicle cycling and neurotransmission. The EMBO journal, 41(9), e109352.

Matsuura K, et al. (2022) Synaptotagmin 2 is ectopically overexpressed in excitatory presynapses of a widely used CaMK???-Cre mouse line. iScience, 25(8), 104692.

Vevea JD, et al. (2020) Acute disruption of the synaptic vesicle membrane protein synaptotagmin 1 using knockoff in mouse hippocampal neurons. eLife, 9.

Kokotos AC, et al. (2019) Synaptophysin sustains presynaptic performance by preserving vesicular synaptobrevin-II levels. Journal of neurochemistry, 151(1), 28.

Raja MK, et al. (2019) Elevated synaptic vesicle release probability in synaptophysin/gyrin family quadruple knockouts. eLife, 8.

Riemann D, et al. (2018) An Optical Assay for Synaptic Vesicle Recycling in Cultured Neurons Overexpressing Presynaptic Proteins. Journal of visualized experiments : JoVE(136).