

Resource Summary Report

Generated by [PRECISE-TBI](#) on Aug 31, 2026

Synaptophysin (D35E4) XP Rabbit mAb

RRID:AB_10698743

Type: Antibody

Proper Citation

Cell Signaling Technology Cat# 5461, RRID:AB_10698743

Antibody Information

URL: http://antibodyregistry.org/AB_10698743

Proper Citation: Cell Signaling Technology Cat# 5461, RRID:AB_10698743

Target Antigen: Synaptophysin (D35E4) XP Rabbit mAb

Host Organism: rabbit

Clonality: monoclonal

Comments: Applications: W, IP. Consolidation on 10/2018: AB_10698743, AB_10838404.

Antibody Name: Synaptophysin (D35E4) XP Rabbit mAb

Description: This monoclonal targets Synaptophysin (D35E4) XP Rabbit mAb

Target Organism: rat, h, m, mouse, r, human

Antibody ID: AB_10698743

Vendor: Cell Signaling Technology

Catalog Number: 5461

Record Creation Time: 20250819T233446+0000

Record Last Update: 20250820T054634+0000

Ratings and Alerts

No rating or validation information has been found for Synaptophysin (D35E4) XP Rabbit mAb.

No alerts have been found for Synaptophysin (D35E4) XP Rabbit mAb.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 17 mentions in open access literature.

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

Weber AJ, et al. (2026) Tau seeds induce neurofibrillary tangle formation across brain regions via individual-specific connectivity. *Neuron*, 114(14), 2521.

Takekoshi Y, et al. (2025) Reelin Increases the Sphingomyelin Content of the Plasma Membrane and Affects the Surface Expression of GPI-Anchored Proteins in Hippocampal Neurons. *Journal of neurochemistry*, 169(9), e70225.

Chen Y, et al. (2023) Inhibition of mGluR5/PI3K-AKT Pathway Alleviates Alzheimer's Disease-Like Pathology Through the Activation of Autophagy in 5XFAD Mice. *Journal of Alzheimer's disease : JAD*, 91(3), 1197.

De Bacco F, et al. (2023) Coexisting cancer stem cells with heterogeneous gene amplifications, transcriptional profiles, and malignancy are isolated from single glioblastomas. *Cell reports*, 42(8), 112816.

Walker CK, et al. (2023) Cross-Platform Synaptic Network Analysis of Human Entorhinal Cortex Identifies TWF2 as a Modulator of Dendritic Spine Length. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 43(20), 3764.

Han M, et al. (2022) FOXA2 drives lineage plasticity and KIT pathway activation in neuroendocrine prostate cancer. *Cancer cell*, 40(11), 1306.

Qian C, et al. (2021) Localization, proteomics, and metabolite profiling reveal a putative vesicular transporter for UDP-glucose. *eLife*, 10.

Stoklund Dittlau K, et al. (2021) Human motor units in microfluidic devices are impaired by FUS mutations and improved by HDAC6 inhibition. *Stem cell reports*, 16(9), 2213.

Yajima H, et al. (2021) Absence of Thyroid Hormone Induced Delayed Dendritic Arborization in Mouse Primary Hippocampal Neurons Through Insufficient Expression of Brain-Derived Neurotrophic Factor. *Frontiers in endocrinology*, 12, 629100.

Bustos F, et al. (2020) Functional Diversification of SRSF Protein Kinase to Control Ubiquitin-Dependent Neurodevelopmental Signaling. *Developmental cell*, 55(5), 629.

Kang J, et al. (2020) Cell-autonomous role of Presenilin in age-dependent survival of cortical interneurons. *Molecular neurodegeneration*, 15(1), 72.

Ve H, et al. (2020) Quantitative Immunoblotting Analyses Reveal that the Abundance of Actin, Tubulin, Synaptophysin and EEA1 Proteins is Altered in the Brains of Aged Mice. *Neuroscience*, 442, 100.

Lee SH, et al. (2020) APP Family Regulates Neuronal Excitability and Synaptic Plasticity but Not Neuronal Survival. *Neuron*, 108(4), 676.

He YX, et al. (2020) Zonisamide Ameliorates Cognitive Impairment by Inhibiting ER Stress in a Mouse Model of Type 2 Diabetes Mellitus. *Frontiers in aging neuroscience*, 12, 192.

Lackie RE, et al. (2020) Increased levels of Stress-inducible phosphoprotein-1 accelerates amyloid-?? deposition in a mouse model of Alzheimer's disease. *Acta neuropathologica communications*, 8(1), 143.

Zhang X, et al. (2019) Inhibition of Reactive Astrocytes with Fluorocitrate Ameliorates Learning and Memory Impairment Through Upregulating CRTG1 and Synaptophysin in Ischemic Stroke Rats. *Cellular and molecular neurobiology*, 39(8), 1151.

Thau-Zuchman O, et al. (2019) Brain Phospholipid Precursors Administered Post-Injury Reduce Tissue Damage and Improve Neurological Outcome in Experimental Traumatic Brain Injury. *Journal of neurotrauma*, 36(1), 25.