

Resource Summary Report

Generated by NIF on Sep 5, 2026

SYP (D-4)

RRID:AB_628311

Type: Antibody

Proper Citation

Santa Cruz Biotechnology Cat# sc-17750, RRID:AB_628311

Antibody Information

URL: http://antibodyregistry.org/AB_628311

Proper Citation: Santa Cruz Biotechnology Cat# sc-17750, RRID:AB_628311

Target Antigen: SYP

Host Organism: mouse

Clonality: monoclonal

Comments: validation status unknown check with seller; recommendations: ELISA; Immunocytochemistry; Immunofluorescence; Immunoprecipitation; Western Blot; Western Blotting, Immunoprecipitation, Immunofluorescence, Immunohistochemistry(P), ELISA

Antibody Name: SYP (D-4)

Description: This monoclonal targets SYP

Target Organism: rat, mouse, human

Clone ID: D-4

Antibody ID: AB_628311

Vendor: Santa Cruz Biotechnology

Catalog Number: sc-17750

Record Creation Time: 20231110T043806+0000

Record Last Update: 20260829T204112+0000

Ratings and Alerts

No rating or validation information has been found for SYP (D-4).

No alerts have been found for SYP (D-4).

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 20 mentions in open access literature.

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

Gao V, et al. (2025) Synaptic vesicle-omics in mice captures signatures of aging and synucleinopathy. Nature communications, 16(1), 4079.

Torrisi F, et al. (2025) Physiopathological effects of entrance versus distal spread-out Bragg peak on mouse spinal cord neurons. Scientific reports, 15(1), 2134.

Tan J, et al. (2025) Placode and neural crest origins of congenital deafness in mouse models of Waardenburg-Shah syndrome. iScience, 28(1), 111680.

Liu S, et al. (2025) Extracellular Domain Shedding of TROP2 Activates EGFR Signaling to Drive Prostate Cancer Metastasis. Cancer research, 85(23), 4632.

Dou D, et al. (2024) RAB3 phosphorylation by pathogenic LRRK2 impairs trafficking of synaptic vesicle precursors. The Journal of cell biology, 223(6).

Wang J, et al. (2024) Cholinergic signaling via muscarinic M1 receptor confers resistance to docetaxel in prostate cancer. Cell reports. Medicine, 5(2), 101388.

Pu T, et al. (2024) Stromal-derived MAOB promotes prostate cancer growth and progression. Science advances, 10(6), eadi4935.

Wu HF, et al. (2024) Parasympathetic neurons derived from human pluripotent stem cells model human diseases and development. Cell stem cell, 31(5), 734.

Lavecchia AM, et al. (2023) Thyroid hormone treatment counteracts cellular phenotypical remodeling in diabetic organs. iScience, 26(10), 107826.

Song SH, et al. (2023) Different mechanisms of synapsin-induced vesicle clustering at inhibitory and excitatory synapses. Cell reports, 42(8), 113004.

Borsani E, et al. (2022) Role of melatonin in autism spectrum disorders in a male murine transgenic model: Study in the prefrontal cortex. Journal of neuroscience research, 100(3), 780.

Yu W, et al. (2022) Pulmonary neuroendocrine cells sense succinate to stimulate myoepithelial cell contraction. Developmental cell, 57(18), 2221.

Stanifer ML, et al. (2020) Critical Role of Type III Interferon in Controlling SARS-CoV-2 Infection in Human Intestinal Epithelial Cells. *Cell reports*, 32(1), 107863.

De Pace R, et al. (2020) Synaptic Vesicle Precursors and Lysosomes Are Transported by Different Mechanisms in the Axon of Mammalian Neurons. *Cell reports*, 31(11), 107775.

Poltavski DM, et al. (2019) Venous endothelin modulates responsiveness of cardiac sympathetic axons to arterial semaphorin. *eLife*, 8.

Reina-Campos M, et al. (2019) Increased Serine and One-Carbon Pathway Metabolism by PKC δ Deficiency Promotes Neuroendocrine Prostate Cancer. *Cancer cell*, 35(3), 385.

Motodate R, et al. (2019) X11 and X11-like proteins regulate the level of extrasynaptic glutamate receptors. *Journal of neurochemistry*, 148(4), 480.

Zhang Y, et al. (2017) Increased GSNOR Expression during Aging Impairs Cognitive Function and Decreases S-Nitrosation of CaMKII β . *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 37(40), 9741.

Bluemn EG, et al. (2017) Androgen Receptor Pathway-Independent Prostate Cancer Is Sustained through FGF Signaling. *Cancer cell*, 32(4), 474.

Nagahara Y, et al. (2015) Glycoprotein nonmetastatic melanoma protein B ameliorates skeletal muscle lesions in a SOD1G93A mouse model of amyotrophic lateral sclerosis. *Journal of neuroscience research*, 93(10), 1552.