

Resource Summary Report

Generated by [NIF](#) on Jul 31, 2026

Anti-Shank 3

RRID:AB_2619863

Type: Antibody

Proper Citation

Synaptic Systems Cat# 162 304, RRID:AB_2619863

Antibody Information

URL: http://antibodyregistry.org/AB_2619863

Proper Citation: Synaptic Systems Cat# 162 304, RRID:AB_2619863

Target Antigen: Shank 3

Host Organism: guinea pig

Clonality: polyclonal

Comments: Applications: WB,ICC,IHC,IHC-P

Antibody Name: Anti-Shank 3

Description: This polyclonal targets Shank 3

Target Organism: Rat, Mouse

Antibody ID: AB_2619863

Vendor: Synaptic Systems

Catalog Number: 162 304

Record Creation Time: 20250820T043013+0000

Record Last Update: 20250820T190918+0000

Ratings and Alerts

No rating or validation information has been found for Anti-Shank 3.

No alerts have been found for Anti-Shank 3.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 12 mentions in open access literature.

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

Robinson K, et al. (2024) Mapping proteomic composition of excitatory postsynaptic sites in the cerebellar cortex. *Frontiers in molecular neuroscience*, 17, 1381534.

Bär J, et al. (2024) Non-canonical function of ADAM10 in presynaptic plasticity. *Cellular and molecular life sciences : CMLS*, 81(1), 342.

Mocellin P, et al. (2024) A septal-ventral tegmental area circuit drives exploratory behavior. *Neuron*, 112(6), 1020.

Grochowska KM, et al. (2023) Jacob-induced transcriptional inactivation of CREB promotes A β -induced synapse loss in Alzheimer's disease. *The EMBO journal*, 42(4), e112453.

Grochowska KM, et al. (2023) Chaperone-mediated autophagy in neuronal dendrites utilizes activity-dependent lysosomal exocytosis for protein disposal. *Cell reports*, 42(8), 112998.

Andres-Alonso M, et al. (2023) Golgi satellites are essential for polysialylation of NCAM and expression of LTP at distal synapses. *Cell reports*, 42(7), 112692.

Wu CH, et al. (2022) A bidirectional switch in the Shank3 phosphorylation state biases synapses toward up- or downscaling. *eLife*, 11.

Tereshko L, et al. (2021) Ciliary neuropeptidergic signaling dynamically regulates excitatory synapses in postnatal neocortical pyramidal neurons. *eLife*, 10.

Borgmeyer M, et al. (2021) Multiomics of synaptic junctions reveals altered lipid metabolism and signaling following environmental enrichment. *Cell reports*, 37(1), 109797.

Hassani Nia F, et al. (2020) Targeting of β -catenin to postsynaptic sites through interaction with the Shank3 N-terminus. *Molecular autism*, 11(1), 85.

Tatavarty V, et al. (2020) Autism-Associated Shank3 Is Essential for Homeostatic Compensation in Rodent V1. *Neuron*, 106(5), 769.

Holderith N, et al. (2020) A High-Resolution Method for Quantitative Molecular Analysis of Functionally Characterized Individual Synapses. *Cell reports*, 32(4), 107968.