

Resource Summary Report

Generated by [PRECISE-TBI](#) on Aug 10, 2026

Anti-VGAT

RRID:AB_887869

Type: Antibody

Proper Citation

Synaptic Systems Cat# 131 003, RRID:AB_887869

Antibody Information

URL: http://antibodyregistry.org/AB_887869

Proper Citation: Synaptic Systems Cat# 131 003, RRID:AB_887869

Target Antigen: VGAT (cytoplasmic domain)

Host Organism: rabbit

Clonality: polyclonal

Comments: Applications: WB,IP,ICC,IHC,EM. KO validated

Antibody Name: Anti-VGAT

Description: This polyclonal targets VGAT (cytoplasmic domain)

Target Organism: Human, Rat, Monkey, Mouse

Defining Citation: [PMID:18041776](#), [PMID:19226508](#), [PMID:21031559](#), [PMID:22592841](#), [PMID:22522945](#), [PMID:20963826](#)

Antibody ID: AB_887869

Vendor: Synaptic Systems

Catalog Number: 131 003

Record Creation Time: 20250819T214039+0000

Record Last Update: 20250819T234418+0000

Ratings and Alerts

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

No alerts have been found for Anti-VGAT.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 97 mentions in open access literature.

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

Kim S, et al. (2026) Bazedoxifene reverses sexually dimorphic autistic-like abnormalities in biallelic MDGA1-mutant mice. EMBO molecular medicine, 18(4), 1358.

Feller B, et al. (2026) The Neurexin1? Histidine-Rich Domain Is Involved in Excitatory Presynaptic Organization and Short-Term Plasticity. eNeuro, 13(2).

Dos Santos M, et al. (2026) Soluble ?2?-1, altered in disease CSF, modulates network homeostasis and rescues deficits in a neuropsychiatric mouse model. Neuron, 114(12), 2128.

Bizzotto M, et al. (2026) Maternal-fetal type I interferon signaling drives TREM2 dysregulation and synaptic dysfunction in neurodevelopmental disorders. Neuron.

Jung H, et al. (2026) Autism-associated ARHGEF9 variants impair GABAergic synapses and ultrasonic communication by reducing gephyrin phosphorylation. Molecular psychiatry, 31(3), 1757.

Lu IL, et al. (2026) Hypoxia-inducible factor signaling regulates embryonic interneuron development, GRIN2B expression and adult cortical function. Developmental cell, 61(4), 773.

Kim SK, et al. (2026) Human-specific features of the cerebellum and ZP2-regulated synapse development. Cell, 189(6), 1802.

Bissen D, et al. (2026) Ethological learning during the critical period resets synaptic setpoints in mouse binocular visual cortex. Neuron.

Parrilla M, et al. (2026) Vascular signals coordinate cerebellar circuitry development. Cell reports, 45(8), 117732.

Jahncke JN, et al. (2025) Distinct functional domains of Dystroglycan regulate inhibitory synapse formation and maintenance in cerebellar Purkinje cells. Communications biology, 8(1), 878.

Berg MVD, et al. (2025) Partial normalization of hippocampal oscillatory activity during sleep in TgF344-AD rats coincides with increased cholinergic synapses at early-plaque stage of Alzheimer's disease. Acta neuropathologica communications, 13(1), 96.

Jung H, et al. (2025) The NLRP3 inflammasome in microglia regulates repetitive behavior by modulating NMDA glutamate receptor functions. *Cell reports*, 44(5), 115656.

Le A, et al. (2025) High-content image-based pooled screens reveal regulators of synaptogenesis. *Cell reports*, 44(7), 115889.

Wang YZ, et al. (2024) Neuron type-specific proteomics reveals distinct Shank3 proteoforms in iSPNs and dSPNs lead to striatal synaptopathy in Shank3B^{-/-} mice. *Molecular psychiatry*.

Wang G, et al. (2024) The TMEM132B-GABAA receptor complex controls alcohol actions in the brain. *Cell*, 187(23), 6649.

Jahncke JN, et al. (2024) Inhibitory CCK⁺ basket synapse defects in mouse models of dystroglycanopathy. *eLife*, 12.

Fan Q, et al. (2024) Modeling the precise interaction of glioblastoma with human brain region-specific organoids. *iScience*, 27(3), 109111.

Karube F, et al. (2024) Anterograde trans-neuronal labeling of striatal interneurons in relation to dopamine neurons in the substantia nigra pars compacta. *Frontiers in neuroanatomy*, 18, 1325368.

Burch AM, et al. (2024) TRPM2 and CaMKII Signaling Drives Excessive GABAergic Synaptic Inhibition Following Ischemia. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 44(19).

Jaarsma D, et al. (2024) Different Purkinje cell pathologies cause specific patterns of progressive gait ataxia in mice. *Neurobiology of disease*, 192, 106422.