

Resource Summary Report

Generated by [NIF](#) on Aug 12, 2026

Guinea pig Anti-VGLUT 1 Polyclonal Antibody, Unconjugated

RRID:AB_887878

Type: Antibody

Proper Citation

Synaptic Systems Cat# 135 304, RRID:AB_887878

Antibody Information

URL: http://antibodyregistry.org/AB_887878

Proper Citation: Synaptic Systems Cat# 135 304, RRID:AB_887878

Target Antigen: VGLUT 1

Host Organism: guinea pig

Clonality: polyclonal

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

Antibody Name: Guinea pig Anti-VGLUT 1 Polyclonal Antibody, Unconjugated

Description: This polyclonal targets VGLUT 1

Target Organism: Human, Rat, Cow, Mouse

Defining Citation: [PMID:20963823](#)

Antibody ID: AB_887878

Vendor: Synaptic Systems

Catalog Number: 135 304

Record Creation Time: 20250820T024501+0000

Record Last Update: 20250820T142452+0000

Ratings and Alerts

No rating or validation information has been found for Guinea pig Anti-VGLUT 1 Polyclonal Antibody, Unconjugated.

No alerts have been found for Guinea pig Anti-VGLUT 1 Polyclonal Antibody, Unconjugated.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 156 mentions in open access literature.

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

Goel R, et al. (2026) A versatile nanobody platform for live and super-resolution imaging of synaptic vesicle dynamics and plasticity in rodent and human neurons. *Journal of nanobiotechnology*, 24(1).

Oláh VJ, et al. (2026) Bidirectional control of vesicular GABA release, LTP, and amotivation by GluN2D-selective allosteric modulators and ketamine. *Cell reports*, 45(8), 117707.

Barata MA, et al. (2026) Protocol for semi-automatic quantitative bioimaging analysis of synapse loss. *STAR protocols*, 7(3), 104675.

Kawase M, et al. (2026) Phospholipid flippases ATP8A1 and ATP8A2 regulate GABAA receptor trafficking through distinct mechanisms in hippocampal neurons. *iScience*, 29(7), 116626.

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

Eaker AR, et al. (2026) Astrocyte-Derived PTPRZ1 Regulates Excitatory Synapse Density in the Mouse Cortex. *eNeuro*, 13(4).

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

Hijazi S, et al. (2026) Diversity and sensorimotor specialization of head direction cells in the mouse thalamus. *Current biology : CB*, 36(12), 3114.

Zacher AC, et al. (2025) Oligodendrocyte arrangement, identification and morphology in the developing superior olivary complex. *Frontiers in cellular neuroscience*, 19, 1561312.

Hirabayashi S, et al. (2025) Ccn1 derived from vascular endothelial cells impairs cognitive function in Alzheimer's disease model mice. *Journal of pharmacological sciences*, 157(3), 146.

Chapman CA, et al. (2025) Increased NMDAR activity and GluN2A-NMDAR silent synapse expansion induced by chronic benzodiazepine treatment. *Neuropharmacology*, 279, 110624.

Barata MA, et al. (2025) Alzheimer's genetic risk factor Bin1 controls synapse vesicle exo-endocytosis in inhibitory synapses. *Cell reports*, 44(8), 116005.

Brzozowski CF, et al. (2025) Early α -synuclein aggregation decreases corticostriatal glutamate drive and synapse density. *Neurobiology of disease*, 210, 106918.

Swain S, et al. (2025) Low-Glucose Culture Conditions Bias Neuronal Energetics Towards Oxidative Phosphorylation. *Journal of neurochemistry*, 169(6), e70125.

Tolve M, et al. (2025) The endocytic adaptor AP-2 maintains Purkinje cell function by balancing cerebellar parallel and climbing fiber synapses. *Cell reports*, 44(2), 115256.

Chipman PH, et al. (2025) A unifying mechanism for presynaptic homeostatic plasticity at mammalian peripheral and central synapses. *Neuron*.

Kim D, et al. (2025) Paralogs of Slitrk cell adhesion molecules configure excitatory synapse specificity via distinct cellular mechanisms. *PLoS biology*, 23(12), e3003576.

Chen KH, et al. (2025) Loss of the proton-activated chloride channel in neurons impairs AMPA receptor endocytosis and LTD via endosomal hyper-acidification. *Cell reports*, 44(2), 115302.

Kreeger LJ, et al. (2025) An anatomical and physiological basis for flexible coincidence detection in the auditory system. *eLife*, 13.

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.