

# Resource Summary Report

Generated by [FDI Lab - SciCrunch.org](https://www.fdi-lab.com) on Apr 1, 2025

## VGLUT2 antibody

RRID:AB\_887883

Type: Antibody

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### Proper Citation

(Synaptic Systems Cat# 135 403, RRID:AB\_887883)

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### Antibody Information

**URL:** [http://antibodyregistry.org/AB\\_887883](http://antibodyregistry.org/AB_887883)

**Proper Citation:** (Synaptic Systems Cat# 135 403, RRID:AB\_887883)

**Target Antigen:** VGLUT 2

**Host Organism:** rabbit

**Clonality:** polyclonal

**Comments:** Applications: WB,IP,ICC,IHC,IHC-P,ELISA

**Antibody Name:** VGLUT2 antibody

**Description:** This polyclonal targets VGLUT 2

**Target Organism:** chicken, rat, mouse, human

**Defining Citation:** [PMID:19844994](#), [PMID:19598283](#), [PMID:18181146](#), [PMID:17154258](#), [PMID:19496167](#)

**Antibody ID:** AB\_887883

**Vendor:** Synaptic Systems

**Catalog Number:** 135 403

**Record Creation Time:** 20231110T045457+0000

**Record Last Update:** 20241115T082104+0000

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## Ratings and Alerts

No rating or validation information has been found for VGLUT2 antibody.

No alerts have been found for VGLUT2 antibody.

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## Data and Source Information

**Source:** [Antibody Registry](#)

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## Usage and Citation Metrics

We found 51 mentions in open access literature.

**Listed below are recent publications.** The full list is available at [FDI Lab - SciCrunch.org](#).

Campbell PW, et al. (2024) Development of reciprocal connections between the dorsal lateral geniculate nucleus and the thalamic reticular nucleus. *Neural development*, 19(1), 6.

Buchan MJ, et al. (2024) Higher-order thalamocortical circuits are specified by embryonic cortical progenitor types in the mouse brain. *Cell reports*, 43(5), 114157.

Clarke-Williams CJ, et al. (2024) Coordinating brain-distributed network activities in memory resistant to extinction. *Cell*, 187(2), 409.

Xue J, et al. (2024) Spatiotemporal Mapping and Molecular Basis of Whole-brain Circuit Maturation. *bioRxiv : the preprint server for biology*.

Nakagawa N, et al. (2023) Golgi polarity shift instructs dendritic refinement in the neonatal cortex by mediating NMDA receptor signaling. *Cell reports*, 42(8), 112843.

Kim HJ, et al. (2023) GABAergic-like dopamine synapses in the brain. *Cell reports*, 42(10), 113239.

Liu S, et al. (2023) Generation of self-organized autonomic ganglion organoids from fibroblasts. *iScience*, 26(3), 106241.

Fukuda N, et al. (2023) Axonal mRNA binding of hnRNP A/B is crucial for axon targeting and maturation of olfactory sensory neurons. *Cell reports*, 42(5), 112398.

Kondabolu K, et al. (2023) A Selective Projection from the Subthalamic Nucleus to Parvalbumin-Expressing Interneurons of the Striatum. *eNeuro*, 10(7).

Diethorn EJ, et al. (2023) Postnatal development of hippocampal CA2 structure and function during the emergence of social recognition of peers. *Hippocampus*, 33(3), 208.

Kim S, et al. (2022) Co-packaging of opposing neurotransmitters in individual synaptic

vesicles in the central nervous system. *Neuron*, 110(8), 1371.

Li W, et al. (2022) Dendritic Inhibition by Shh Signaling-Dependent Stellate Cell Pool Is Critical for Motor Learning. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 42(26), 5130.

Souter EA, et al. (2022) Disruption of VGLUT1 in Cholinergic Medial Habenula Projections Increases Nicotine Self-Administration. *eNeuro*, 9(1).

Upmanyu N, et al. (2022) Colocalization of different neurotransmitter transporters on synaptic vesicles is sparse except for VGLUT1 and ZnT3. *Neuron*, 110(9), 1483.

Pasquettaz R, et al. (2021) Peculiar protrusions along tanycyte processes face diverse neural and nonneural cell types in the hypothalamic parenchyma. *The Journal of comparative neurology*, 529(3), 553.

van der Heijden ME, et al. (2021) Maturation of Purkinje cell firing properties relies on neurogenesis of excitatory neurons. *eLife*, 10.

Zhang L, et al. (2021) Noise Exposure Alters Glutamatergic and GABAergic Synaptic Connectivity in the Hippocampus and Its Relevance to Tinnitus. *Neural plasticity*, 2021, 8833087.

Yeo SH, et al. (2021) Morphological assessment of GABA and glutamate inputs to GnRH neurons in intact female mice using expansion microscopy. *Journal of neuroendocrinology*, 33(9), e13021.

Ho CLA, et al. (2021) Orientation Preference Maps in *Microcebus murinus* Reveal Size-Invariant Design Principles in Primate Visual Cortex. *Current biology : CB*, 31(4), 733.

Zehnder T, et al. (2021) Mitochondrial biogenesis in developing astrocytes regulates astrocyte maturation and synapse formation. *Cell reports*, 35(2), 108952.