

Resource Summary Report

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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: cow, human, mouse, rat

Defining Citation: [PMID:20963823](#)

Antibody ID: AB_887878

Vendor: Synaptic Systems

Catalog Number: 135 304

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 115 mentions in open access literature.

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

Miyano R, et al. (2024) RIM-BP2 regulates Ca²⁺ channel abundance and neurotransmitter release at hippocampal mossy fiber terminals. *eLife*, 12.

Koumoundourou A, et al. (2024) Regulation of hippocampal mossy fiber-CA3 synapse function by a Bcl11b/C1ql2/Nrxn3(25b+) pathway. *eLife*, 12.

Rotterman TM, et al. (2024) Modulation of central synapse remodeling after remote peripheral injuries by the CCL2-CCR2 axis and microglia. *Cell reports*, 43(2), 113776.

Wei HR, et al. (2024) A microglial activation cascade across cortical regions underlies secondary mechanical hypersensitivity to amputation. *Cell reports*, 43(2), 113804.

Murphy TR, et al. (2024) Synaptic cell-adhesion molecule latrophilin-2 is differentially directed to dendritic domains of hippocampal neurons. *iScience*, 27(2), 108799.

van Oostrum M, et al. (2023) The proteomic landscape of synaptic diversity across brain regions and cell types. *Cell*, 186(24), 5411.

Ortega-de San Luis C, et al. (2023) Engram cell connectivity as a mechanism for information encoding and memory function. *Current biology : CB*, 33(24), 5368.

Biro L, et al. (2023) Post-weaning social isolation in male mice leads to abnormal aggression and disrupted network organization in the prefrontal cortex: Contribution of parvalbumin interneurons with or without perineuronal nets. *Neurobiology of stress*, 25, 100546.

Shih YT, et al. (2023) An inhibitory circuit-based enhancer of DYRK1A function reverses Dyrk1a-associated impairment in social recognition. *Neuron*, 111(19), 3084.

Hahn N, et al. (2023) Protecting RNA quality for spatial transcriptomics while improving immunofluorescent staining quality. *Frontiers in neuroscience*, 17, 1198154.

Neniskyte U, et al. (2023) Phospholipid scramblase Xkr8 is required for developmental axon

pruning via phosphatidylserine exposure. The EMBO journal, e111790.

Cramer TML, et al. (2023) Adamtsl3 mediates DCC signaling to selectively promote GABAergic synapse function. Cell reports, 42(8), 112947.

Opland CK, et al. (2023) Activity-dependent tau cleavage by caspase-3 promotes neuronal dysfunction and synaptotoxicity. iScience, 26(6), 106905.

Zhu J, et al. (2023) Overexpression of Sirt6 ameliorates sleep deprivation induced-cognitive impairment by modulating glutamatergic neuron function. Neural regeneration research, 18(11), 2449.

Mahoney-Crane CL, et al. (2023) Neuronopathic GBA1L444P Mutation Accelerates Glucosylsphingosine Levels and Formation of Hippocampal Alpha-Synuclein Inclusions. The Journal of neuroscience : the official journal of the Society for Neuroscience, 43(3), 501.

Zacher AC, et al. (2023) Developmental profile of microglia distribution in nuclei of the superior olivary complex. The Journal of comparative neurology.

Parkins EV, et al. (2023) Age-dependent regulation of dendritic spine density and protein expression in Mir324 KO mice. Research square.

Hashimoto A, et al. (2023) Microglia enable cross-modal plasticity by removing inhibitory synapses. Cell reports, 42(5), 112383.

Wang QW, et al. (2023) 16p11.2 CNV gene Doc2? functions in neurodevelopment and social behaviors through interaction with Secretagogin. Cell reports, 42(7), 112691.

Bingham D, et al. (2023) Presynapses contain distinct actin nanostructures. The Journal of cell biology, 222(10).