Resource Summary Report

Generated by FDI Lab - SciCrunch.org on Apr 5, 2025

VGLUT 1 (vesicular glutamate transporter 1, BNPI, SLC17A7)

RRID:AB_887875
Type: Antibody

Proper Citation

(Synaptic Systems Cat# 135 303, RRID:AB_887875)

Antibody Information

URL: http://antibodyregistry.org/AB_887875

Proper Citation: (Synaptic Systems Cat# 135 303, RRID:AB_887875)

Target Antigen: VGLUT 1

Host Organism: rabbit

Clonality: polyclonal

Comments: Applications: WB,IP,ICC,IHC,IHC-P,EM,ELISA. KO validated. This entry was consolidated with AB_887874, AB_887876.

Antibody Name: VGLUT 1 (vesicular glutamate transporter 1, BNPI, SLC17A7)

Description: This polyclonal targets VGLUT 1

Target Organism: Human, Rat, Cow, Mouse, Sheep, Goat, Dog

Defining Citation: PMID:18041776, PMID:19226508, PMID:19226511, PMID:17154258, PMID:20127803

Antibody ID: AB_887875

Vendor: Synaptic Systems

Catalog Number: 135 303

Alternative Catalog Numbers: 135 303C5, 135 303C3

Record Creation Time: 20231110T042748+0000

Record Last Update: 20241115T000445+0000

Ratings and Alerts

No rating or validation information has been found for VGLUT 1 (vesicular glutamate transporter 1, BNPI, SLC17A7).

No alerts have been found for VGLUT 1 (vesicular glutamate transporter 1, BNPI, SLC17A7).

Data and Source Information

Source: Antibody Registry

Usage and Citation Metrics

We found 78 mentions in open access literature.

Listed below are recent publications. The full list is available at FDI Lab - SciCrunch.org.

Atsumi Y, et al. (2024) Repetitive CREB-DNA interactions at gene loci predetermined by CBP induce activity-dependent gene expression in human cortical neurons. Cell reports, 43(1), 113576.

Pfitzer J, et al. (2024) Troriluzole rescues glutamatergic deficits, amyloid and tau pathology, and synaptic and memory impairments in 3xTg-AD mice. Journal of neurochemistry.

Castro RW, et al. (2024) Aging spinal cord microglia become phenotypically heterogeneous and preferentially target motor neurons and their synapses. Glia, 72(1), 206.

Randolph LK, et al. (2024) Regulation of synapse density by Pumilio RNA-binding proteins. Cell reports, 43(10), 114747.

Yan Y, et al. (2024) 3D bioprinting of human neural tissues with functional connectivity. Cell stem cell, 31(2), 260.

Leitz J, et al. (2024) Observing isolated synaptic vesicle association and fusion ex vivo. Nature protocols, 19(11), 3139.

Ciarpella F, et al. (2023) Generation of mouse hippocampal brain organoids from primary embryonic neural stem cells. STAR protocols, 4(3), 102413.

Daniel JA, et al. (2023) An intellectual-disability-associated mutation of the transcriptional

regulator NACC1 impairs glutamatergic neurotransmission. Frontiers in molecular neuroscience, 16, 1115880.

Pilotto F, et al. (2023) Early molecular layer interneuron hyperactivity triggers Purkinje neuron degeneration in SCA1. Neuron, 111(16), 2523.

Abdali SS, et al. (2023) Immunohistochemical analysis of glutamatergic and serotonergic signaling pathways in chemosensory cell clusters in the pharynx and larynx of rats. Tissue & cell, 82, 102122.

Castro RW, et al. (2023) Aging alters mechanisms underlying voluntary movements in spinal motor neurons of mice, primates, and humans. JCI insight, 8(9).

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

Rigby M, et al. (2023) Multi-synaptic boutons are a feature of CA1 hippocampal connections in the stratum oriens. Cell reports, 42(5), 112397.

Song SH, et al. (2023) Different mechanisms of synapsin-induced vesicle clustering at inhibitory and excitatory synapses. Cell reports, 42(8), 113004.

Li Y, et al. (2023) Spatiotemporal transcriptome atlas reveals the regional specification of the developing human brain. Cell, 186(26), 5892.

Kabirova M, et al. (2023) Abl2 Kinase Differentially Regulates iGluRs Current Activity and Synaptic Localization. Cellular and molecular neurobiology.

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

Jun S, et al. (2023) Organization of Purkinje cell development by neuronal MEGF11 in cerebellar granule cells. Cell reports, 42(9), 113137.

Lu T, et al. (2022) 3D imaging of supraspinal inputs to the thoracic and lumbar spinal cord mapped by retrograde tracing and light-sheet microscopy. Journal of neurochemistry, 162(4), 352.

Fazel Darbandi S, et al. (2022) LiCl treatment leads to long-term restoration of spine maturation and synaptogenesis in adult Tbr1 mutants. Journal of neurodevelopmental disorders, 14(1), 11.