

Resource Summary Report

Generated by [PRECISE-TBI](#) on Sep 6, 2026

Anti-Vesicular Glutamate Transporter 1

RRID:AB_262185

Type: Antibody

Proper Citation

Millipore Cat# MAB5502, RRID:AB_262185

Antibody Information

URL: http://antibodyregistry.org/AB_262185

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Target Antigen: Vesicular Glutamate Transporter 1

Host Organism: mouse

Clonality: monoclonal

Comments: seller recommendations: IgG1; IgG1 Immunohistochemistry; Western Blot; IH, WB

Antibody Name: Anti-Vesicular Glutamate Transporter 1

Description: This monoclonal targets Vesicular Glutamate Transporter 1

Target Organism: m, r

Defining Citation: [PMID:21280044](#)

Antibody ID: AB_262185

Vendor: Millipore

Catalog Number: MAB5502

Record Creation Time: 20231110T081525+0000

Record Last Update: 20260829T144617+0000

Ratings and Alerts

No rating or validation information has been found for Anti-Vesicular Glutamate Transporter 1.

No alerts have been found for Anti-Vesicular Glutamate Transporter 1.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 21 mentions in open access literature.

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

Dai W, et al. (2025) A neuronal Slit1-dependent program rescues oligodendrocyte differentiation and myelination under chronic hypoxic conditions. *Cell reports*, 44(4), 115467.

Parvathy S, et al. (2024) TLX3 regulates CGN progenitor proliferation during cerebellum development and its dysfunction can lead to autism. *iScience*, 27(12), 111260.

Hao X, et al. (2023) Osteoprogenitor-GMP crosstalk underpins solid tumor-induced systemic immunosuppression and persists after tumor removal. *Cell stem cell*, 30(5), 648.

Hull VL, et al. (2023) Pathological Bergmann glia alterations and disrupted calcium dynamics in ataxic Canavan disease mice. *Glia*, 71(12), 2832.

Tang J, et al. (2023) Attachment culture of cortical organoids at the microwell air-liquid interface. *STAR protocols*, 4(3), 102502.

Zhong L, et al. (2023) TREM2 receptor protects against complement-mediated synaptic loss by binding to complement C1q during neurodegeneration. *Immunity*, 56(8), 1794.

Pantazis CB, et al. (2022) A reference human induced pluripotent stem cell line for large-scale collaborative studies. *Cell stem cell*, 29(12), 1685.

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.

Tenza-Ferrer H, et al. (2022) Transiently Nav1.8-expressing neurons are capable of sensing noxious stimuli in the brain. *Frontiers in cellular neuroscience*, 16, 933874.

Laliberte AM, et al. (2021) Changes in Sensorimotor Connectivity to dl3 Interneurons in Relation to the Postnatal Maturation of Grasping. *Frontiers in neural circuits*, 15, 768235.

Popova G, et al. (2021) Human microglia states are conserved across experimental models and regulate neural stem cell responses in chimeric organoids. *Cell stem cell*, 28(12), 2153.

LaMassa N, et al. (2021) Gamma-protocadherin localization at the synapse is associated with parameters of synaptic maturation. *The Journal of comparative neurology*, 529(10), 2407.

Lin R, et al. (2021) Homer1a regulates Shank3 expression and underlies behavioral vulnerability to stress in a model of Phelan-McDermid syndrome. *Cell reports*, 37(7), 110014.

Iemolo A, et al. (2020) A cell type-specific expression map of NCoR1 and SMRT transcriptional co-repressors in the mouse brain. *The Journal of comparative neurology*, 528(13), 2218.

Najm R, et al. (2020) In Vivo Chimeric Alzheimer's Disease Modeling of Apolipoprotein E4 Toxicity in Human Neurons. *Cell reports*, 32(4), 107962.

Zhang K, et al. (2020) Imbalance of Excitatory/Inhibitory Neuron Differentiation in Neurodevelopmental Disorders with an NR2F1 Point Mutation. *Cell reports*, 31(3), 107521.

Meng X, et al. (2019) Neurexophilin4 is a selectively expressed ?-neurexin ligand that modulates specific cerebellar synapses and motor functions. *eLife*, 8.

Octeau JC, et al. (2018) An Optical Neuron-Astrocyte Proximity Assay at Synaptic Distance Scales. *Neuron*, 98(1), 49.

Nobili A, et al. (2018) Ambra1 Shapes Hippocampal Inhibition/Excitation Balance: Role in Neurodevelopmental Disorders. *Molecular neurobiology*, 55(10), 7921.

Stuart KE, et al. (2017) Mid-life environmental enrichment increases synaptic density in CA1 in a mouse model of A?-associated pathology and positively influences synaptic and cognitive health in healthy ageing. *The Journal of comparative neurology*, 525(8), 1797.