

Resource Summary Report

Generated by [NIF](#) on Aug 6, 2026

Guinea pig Anti-Vesicular Glutamate Transporter 1 (VGLUT1) Polyclonal antibody, Unconjugated

RRID:AB_2301751

Type: Antibody

Proper Citation

Millipore Cat# AB5905, RRID:AB_2301751

Antibody Information

URL: http://antibodyregistry.org/AB_2301751

Proper Citation: Millipore Cat# AB5905, RRID:AB_2301751

Target Antigen: VGLUT1

Host Organism: guinea pig

Clonality: polyclonal

Comments: Applications: Immunohistochemistry Consolidation on 10/2016:
AB_11213019

Antibody Name: Guinea pig Anti-Vesicular Glutamate Transporter 1 (VGLUT1)
Polyclonal antibody, Unconjugated

Description: This polyclonal targets VGLUT1

Target Organism: rat

Defining Citation: [PMID:17311321](#), [PMID:20151363](#), [PMID:17444497](#), [PMID:19177518](#),
[PMID:21618222](#), [PMID:20020539](#), [PMID:20589908](#), [PMID:19731338](#), [PMID:17183553](#),
[PMID:19025983](#), [PMID:17154255](#), [PMID:18314907](#), [PMID:16786558](#), [PMID:22006647](#),
[PMID:20886623](#), [PMID:17447251](#), [PMID:16958091](#), [PMID:18615501](#), [PMID:18022955](#),
[PMID:18634004](#), [PMID:17311335](#), [PMID:19350664](#), [PMID:20575057](#), [PMID:20394059](#),
[PMID:18181146](#), [PMID:18067140](#), [PMID:17111373](#), [PMID:19067356](#), [PMID:21456023](#),
[PMID:21800318](#), [PMID:19496169](#), [PMID:20963826](#)

Antibody ID: AB_2301751

Vendor: Millipore

Catalog Number: AB5905

Record Creation Time: 20250820T010959+0000

Record Last Update: 20250820T101218+0000

Ratings and Alerts

No rating or validation information has been found for Guinea pig Anti-Vesicular Glutamate Transporter 1 (VGLUT1) Polyclonal antibody, Unconjugated.

No alerts have been found for Guinea pig Anti-Vesicular Glutamate Transporter 1 (VGLUT1) Polyclonal antibody, Unconjugated.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 247 mentions in open access literature.

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

Merino-Serrais P, et al. (2025) Protein tau phosphorylation in the proline rich region and its implication in the progression of Alzheimer's disease. *Experimental neurology*, 383, 115049.

Lord B, et al. (2025) Pharmacological characterisation of JNJ-78911118, a novel, centrally-penetrant, selective GluN2A antagonist. *British journal of pharmacology*, 182(17), 4080.

Kim H, et al. (2025) EphB2 receptor tyrosine kinase-mediated excitatory synaptic functions are negatively modulated by MDGA2. *Progress in neurobiology*, 250, 102772.

Huang M, et al. (2025) Stra8 links neuronal activity to inhibitory circuit protection in the adult mouse brain. *Cell reports*, 44(11), 116513.

Baccini G, et al. (2025) Parvalbumin expression identifies subicular principal cells with high projection specificity. *Cell reports*, 44(8), 116004.

Bortolozzo-Gleich MH, et al. (2025) Impaired vasopressin neuromodulation of the lateral septum leads to social behavior deficits in Shank3B^{+/-} male mice. *Nature communications*, 16(1), 6783.

Santiago C, et al. (2025) Activity-dependent development of the body's touch receptors. *Neuron*, 113(11), 1758.

Upadhyay A, et al. (2025) The dorsal column nuclei scale mechanical sensitivity in naive and neuropathic pain states. *Cell reports*, 44(4), 115556.

He Z, et al. (2025) Plasticity of synapses innervating spinal motor neurons after spinal cord injury in rhesus monkeys. *Journal of neuropathology and experimental neurology*.

Bosquez Huerta NA, et al. (2025) Sex-specific astrocyte regulation of spinal motor circuits by Nkx6.1. *Cell reports*, 44(1), 115121.

Kang M, et al. (2025) Cd99l2 regulates excitatory synapse development and restrains immediate-early gene activation. *Cell reports*, 44(1), 115155.

Brandebura AN, et al. (2025) Dysregulation of astrocyte-secreted pleiotrophin contributes to neuronal structural and functional deficits in Down syndrome. *Cell reports*, 44(10), 116300.

Delarue Q, et al. (2025) Spinal cord injury alters the therapeutic potential of olfactory ensheathing cells harvested in an autologous transplantation model. *Stem cell research & therapy*, 16(1), 656.

Meyer CM, et al. (2025) Regulation of hippocampal excitatory synapse development by the adhesion G-protein coupled receptor brain-specific angiogenesis inhibitor 2 (BAI2/ADGRB2). *Molecular and cellular neurosciences*, 134, 104015.

Le A, et al. (2025) High-content image-based pooled screens reveal regulators of synaptogenesis. *Cell reports*, 44(7), 115889.

Abdullah KG, et al. (2025) Gliomas phenocopy an inborn error of metabolism to drive neuronal activity and tumor growth. *bioRxiv : the preprint server for biology*.

Tom?? D, et al. (2025) Mesenchymal stromal cell secretome-induced synaptogenesis is mediated by thrombospondin-1. *iScience*, 28(9), 113401.

Bosworth AP, et al. (2025) Astrocyte glypican 5 regulates synapse maturation and stabilization. *Cell reports*, 44(3), 115374.

Jung H, et al. (2025) The NLRP3 inflammasome in microglia regulates repetitive behavior by modulating NMDA glutamate receptor functions. *Cell reports*, 44(5), 115656.

Jahncke JN, et al. (2025) Distinct functional domains of Dystroglycan regulate inhibitory synapse formation and maintenance in cerebellar Purkinje cells. *Communications biology*, 8(1), 878.