

Resource Summary Report

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Anti-Vesicular Glutamate Transporter 3 (VGLUT3)

RRID:AB_2187832

Type: Antibody

Proper Citation

Millipore Cat# AB5421, RRID:AB_2187832

Antibody Information

URL: http://antibodyregistry.org/AB_2187832

Proper Citation: Millipore Cat# AB5421, RRID:AB_2187832

Target Antigen: Vesicular Glutamate Transporter 3 (VGLUT3)

Host Organism: guinea pig

Clonality: polyclonal

Comments: seller recommendations: IC, IH, WB; Western Blot; Immunocytochemistry; Immunohistochemistry

Antibody Name: Anti-Vesicular Glutamate Transporter 3 (VGLUT3)

Description: This polyclonal targets Vesicular Glutamate Transporter 3 (VGLUT3)

Target Organism: r

Antibody ID: AB_2187832

Vendor: Millipore

Catalog Number: AB5421

Record Creation Time: 20250820T023830+0000

Record Last Update: 20250820T140740+0000

Ratings and Alerts

No rating or validation information has been found for Anti-Vesicular Glutamate Transporter 3 (VGLUT3).

No alerts have been found for Anti-Vesicular Glutamate Transporter 3 (VGLUT3).

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 [dkNET](#) .

McLeod CM, et al. (2025) Protocadherin ?C4 Promotes Neuronal Survival in the Mouse Retina Through Its Variable Cytoplasmic Domain. *Molecular neurobiology*, 62(12), 16081.

Olguin AGR, et al. (2025) Cadherin 4 assembles a family of color-preferring retinal circuits that respond to light offset. *Current biology : CB*, 35(6), 1298.

McLeod CM, et al. (2025) Reduced neuronal self-avoidance in mouse starburst amacrine cells with only one Pcdhg isoform. *bioRxiv : the preprint server for biology*.

Kerstein PC, et al. (2023) Gbx2 controls amacrine cell dendrite stratification through Robo1/2 receptors. *bioRxiv : the preprint server for biology*.

Steffen DM, et al. (2023) A Unique Role for Protocadherin ?C3 in Promoting Dendrite Arborization through an Axin1-Dependent Mechanism. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 43(6), 918.

Wang J, et al. (2023) Taok1 haploinsufficiency leads to autistic-like behaviors in mice via the dorsal raphe nucleus. *Cell reports*, 42(9), 113078.

Albrecht NE, et al. (2022) Rapid 3D-STORM imaging of diverse molecular targets in tissue. *Cell reports methods*, 2(7), 100253.

Llorente-Ovejero A, et al. (2021) Specific Phospholipid Modulation by Muscarinic Signaling in a Rat Lesion Model of Alzheimer's Disease. *ACS chemical neuroscience*, 12(12), 2167.

Oláh VJ, et al. (2020) Functional specification of CCK+ interneurons by alternative isoforms of Kv4.3 auxiliary subunits. *eLife*, 9.

Kerstein PC, et al. (2020) Gbx2 Identifies Two Amacrine Cell Subtypes with Distinct Molecular, Morphological, and Physiological Properties. *Cell reports*, 33(7), 108382.

Bueno D, et al. (2019) Connections of the laterodorsal tegmental nucleus with the habenular-interpeduncular-raphe system. *The Journal of comparative neurology*, 527(18), 3046.

Duan X, et al. (2018) Cadherin Combinations Recruit Dendrites of Distinct Retinal Neurons to a Shared Interneuronal Scaffold. *Neuron*, 99(6), 1145.

Yamamoto Y, et al. (2018) Morphology of P2X3-immunoreactive nerve endings in the rat tracheal mucosa. *The Journal of comparative neurology*, 526(3), 550.

Johnson CS, et al. (2018) Neurotransmitter diversity in pre-synaptic terminals located in the parvicellular neuroendocrine paraventricular nucleus of the rat and mouse hypothalamus. *The Journal of comparative neurology*, 526(8), 1287.

Peng YR, et al. (2017) Satb1 Regulates Contactin 5 to Pattern Dendrites of a Mammalian Retinal Ganglion Cell. *Neuron*, 95(4), 869.

Lima LB, et al. (2017) Afferent and efferent connections of the interpeduncular nucleus with special reference to circuits involving the habenula and raphe nuclei. *The Journal of comparative neurology*, 525(10), 2411.

Roy DS, et al. (2017) Distinct Neural Circuits for the Formation and Retrieval of Episodic Memories. *Cell*, 170(5), 1000.

Garrett AM, et al. (2016) Replacing the PDZ-interacting C-termini of DSCAM and DSCAML1 with epitope tags causes different phenotypic severity in different cell populations. *eLife*, 5.

Li J, et al. (2015) Aberrant synaptic integration in adult lamina I projection neurons following neonatal tissue damage. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 35(6), 2438.

Stensrud MJ, et al. (2015) Immunogold characteristics of VGLUT3-positive GABAergic nerve terminals suggest corelease of glutamate. *The Journal of comparative neurology*, 523(18), 2698.