

Resource Summary Report

Generated by [RRID](#) on Aug 5, 2026

Anti-CASPR/Neurexin IV Antibody

RRID:AB_2083496

Type: Antibody

Proper Citation

Antibodies Incorporated Cat# 75-001, RRID:AB_2083496

Antibody Information

URL: http://antibodyregistry.org/AB_2083496

Proper Citation: Antibodies Incorporated Cat# 75-001, RRID:AB_2083496

Target Antigen: CASPR/Neurexin IV

Host Organism: mouse

Clonality: monoclonal

Comments: Applications: IB, ICC, IHC, IP, KO, WB

Validation status: IF or IB (Pass), IB in brain (Pass), IHC in brain (Pass), KO (Pass)

This clone is associated with these products: purified (Antibodies Incorporated, Cat# 75-001, RRID:AB_2083496), supernatant (Antibodies Incorporated, Cat# 73-001, RRID:AB_10671175), hybridoma (UC Davis/NIH NeuroMab Facility, Cat# K65/35, RRID:AB_2877274)

Antibody Name: Anti-CASPR/Neurexin IV Antibody

Description: This monoclonal targets CASPR/Neurexin IV

Target Organism: rat, mouse, gerbil, human

Clone ID: K65/35

Antibody ID: AB_2083496

Vendor: Antibodies Incorporated

Catalog Number: 75-001

Record Creation Time: 20250820T032603+0000

Record Last Update: 20250820T161409+0000

Ratings and Alerts

No rating or validation information has been found for Anti-CASPR/Neurexin IV Antibody.

No alerts have been found for Anti-CASPR/Neurexin IV Antibody.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 26 mentions in open access literature.

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

Borrajó M, et al. (2025) Early downregulation of hair cell (HC)-specific genes in the vestibular sensory epithelium during chronic ototoxicity. *Journal of biomedical science*, 32(1), 84.

Zhang Y, et al. (2025) Neurons sequester the cholesterol-inhibiting TFEB in oligodendrocyte cytoplasm to safeguard myelination and neural function. *Cell reports*, 44(9), 116252.

Khandokar L, et al. (2025) Lead (Pb) exposure results in cell type specific changes in the mouse retina and optic nerve. *bioRxiv : the preprint server for biology*.

Borrajó M, et al. (2024) Maturation of type I and type II rat vestibular hair cells in vivo and in vitro. *Frontiers in cell and developmental biology*, 12, 1404894.

Tosolini AP, et al. (2024) The node of Ranvier influences the in vivo axonal transport of mitochondria and signaling endosomes. *iScience*, 27(11), 111158.

Miyazaki Y, et al. (2024) Oligodendrocyte-derived LGI3 and its receptor ADAM23 organize juxtaparanodal Kv1 channel clustering for short-term synaptic plasticity. *Cell reports*, 43(1), 113634.

Escobedo G, et al. (2024) An evolutionarily conserved AnkyrinG-dependent motif clusters axonal K2P K⁺ channels. *The Journal of cell biology*, 223(10).

Maroto AF, et al. (2023) The vestibular calyceal junction is dismantled following subchronic streptomycin in rats and sensory epithelium stress in humans. *Archives of toxicology*.

Mutschler C, et al. (2023) Schwann cells are axo-protective after injury irrespective of myelination status in mouse Schwann cell-neuron cocultures. *Journal of cell science*, 136(18).

Meschkat M, et al. (2022) White matter integrity in mice requires continuous myelin synthesis at the inner tongue. *Nature communications*, 13(1), 1163.

Pijuan I, et al. (2022) Impaired macroglial development and axonal conductivity contributes to the neuropathology of DYRK1A-related intellectual disability syndrome. *Scientific reports*, 12(1), 19912.

Liu H, et al. (2022) Direct Observation of Compartment-Specific Localization and Dynamics of Voltage-Gated Sodium Channels. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 42(28), 5482.

McGonigal R, et al. (2022) The role of gangliosides in the organisation of the node of Ranvier examined in glycosyltransferase transgenic mice. *Journal of anatomy*, 241(5), 1259.

Cullen CL, et al. (2021) Periaxonal and nodal plasticities modulate action potential conduction in the adult mouse brain. *Cell reports*, 34(3), 108641.

Chen JF, et al. (2021) Enhancing myelin renewal reverses cognitive dysfunction in a murine model of Alzheimer's disease. *Neuron*, 109(14), 2292.

García-León JA, et al. (2020) Generation of oligodendrocytes and establishment of an all-human myelinating platform from human pluripotent stem cells. *Nature protocols*, 15(11), 3716.

Yu Y, et al. (2020) Microglial Hv1 proton channels promote white matter injuries after chronic hypoperfusion in mice. *Journal of neurochemistry*, 152(3), 350.

Jarjour AA, et al. (2020) The formation of paranodal spirals at the ends of CNS myelin sheaths requires the planar polarity protein Vangl2. *Glia*, 68(9), 1840.

Kaczmarek-Hajek K, et al. (2018) Re-evaluation of neuronal P2X7 expression using novel mouse models and a P2X7-specific nanobody. *eLife*, 7.

Marion CM, et al. (2018) Experimental Traumatic Brain Injury Identifies Distinct Early and Late Phase Axonal Conduction Deficits of White Matter Pathophysiology, and Reveals Intervening Recovery. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 38(41), 8723.