

Resource Summary Report

Generated by [FDI Lab - SciCrunch.org](#) on Apr 21, 2025

Anti-CASPR/Neurexin IV Antibody

RRID:AB_10671175

Type: Antibody

Proper Citation

(Antibodies Incorporated Cat# 73-001, RRID:AB_10671175)

Antibody Information

URL: http://antibodyregistry.org/AB_10671175

Proper Citation: (Antibodies Incorporated Cat# 73-001, RRID:AB_10671175)

Target Antigen: Caspr

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

Target Organism: rat, mouse, gerbil, human

Clone ID: K65/35

Antibody ID: AB_10671175

Vendor: Antibodies Incorporated

Catalog Number: 73-001

Record Creation Time: 20231110T070502+0000

Record Last Update: 20241115T091530+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 32 mentions in open access literature.

Listed below are recent publications. The full list is available at [FDI Lab - SciCrunch.org](#).

Silva Oliveira Junior M, et al. (2022) Myelin repair is fostered by the corticosteroid medrysone specifically acting on astroglial subpopulations. EBioMedicine, 83, 104204.

Alam MM, et al. (2021) Deficiency of Microglial Autophagy Increases the Density of Oligodendrocytes and Susceptibility to Severe Forms of Seizures. eNeuro, 8(1).

Samper Agrelo I, et al. (2020) Secretome Analysis of Mesenchymal Stem Cell Factors Fostering Oligodendroglial Differentiation of Neural Stem Cells In Vivo. International journal of molecular sciences, 21(12).

Andrews NP, et al. (2019) A toolbox of IgG subclass-switched recombinant monoclonal antibodies for enhanced multiplex immunolabeling of brain. eLife, 8.

Stratton JA, et al. (2017) Purification and Characterization of Schwann Cells from Adult Human Skin and Nerve. eNeuro, 4(3).

Serwanski DR, et al. (2017) Heterogeneity of astrocyte and NG2 cell insertion at the node of ranvier. The Journal of comparative neurology, 525(3), 535.

Battefeld A, et al. (2014) Heteromeric Kv7.2/7.3 channels differentially regulate action potential initiation and conduction in neocortical myelinated axons. The Journal of neuroscience : the official journal of the Society for Neuroscience, 34(10), 3719.

Yao D, et al. (2014) Neuronal expression of GalNAc transferase is sufficient to prevent the

age-related neurodegenerative phenotype of complex ganglioside-deficient mice. The Journal of neuroscience : the official journal of the Society for Neuroscience, 34(3), 880.

Chen CD, et al. (2013) The antiaging protein Klotho enhances oligodendrocyte maturation and myelination of the CNS. The Journal of neuroscience : the official journal of the Society for Neuroscience, 33(5), 1927.

Horn KE, et al. (2013) DCC expression by neurons regulates synaptic plasticity in the adult brain. Cell reports, 3(1), 173.

Kondo Y, et al. (2013) Spontaneous optic nerve compression in the osteopetrotic (op/op) mouse: a novel model of myelination failure. The Journal of neuroscience : the official journal of the Society for Neuroscience, 33(8), 3514.

Petrosyan HA, et al. (2013) Neutralization of inhibitory molecule NG2 improves synaptic transmission, retrograde transport, and locomotor function after spinal cord injury in adult rats. The Journal of neuroscience : the official journal of the Society for Neuroscience, 33(9), 4032.

Viganò F, et al. (2013) Transplantation reveals regional differences in oligodendrocyte differentiation in the adult brain. Nature neuroscience, 16(10), 1370.

Liazoghli D, et al. (2012) Substrate Micropatterning as a New in Vitro Cell Culture System to Study Myelination. ACS chemical neuroscience, 3(2), 90.

Brambrink AM, et al. (2012) Isoflurane-induced apoptosis of oligodendrocytes in the neonatal primate brain. Annals of neurology, 72(4), 525.

Takano M, et al. (2012) MRI characterization of paranodal junction failure and related spinal cord changes in mice. PloS one, 7(12), e52904.

Manning CF, et al. (2012) Benefits and pitfalls of secondary antibodies: why choosing the right secondary is of primary importance. PloS one, 7(6), e38313.

Gasser A, et al. (2012) An ankyrinG-binding motif is necessary and sufficient for targeting Nav1.6 sodium channels to axon initial segments and nodes of Ranvier. The Journal of neuroscience : the official journal of the Society for Neuroscience, 32(21), 7232.

Duflocq A, et al. (2011) Characterization of the axon initial segment (AIS) of motor neurons and identification of a para-AIS and a juxtapara-AIS, organized by protein 4.1B. BMC biology, 9, 66.

Pohl HB, et al. (2011) Genetically induced adult oligodendrocyte cell death is associated with poor myelin clearance, reduced remyelination, and axonal damage. The Journal of neuroscience : the official journal of the Society for Neuroscience, 31(3), 1069.