Resource Summary Report

Generated by RRID on Aug 9, 2026

Mouse Anti-Sodium Channel, Pan Monoclonal Antibody, Unconjugated, Clone K58/35

RRID:AB_477552
Type: Antibody

Proper Citation

Sigma-Aldrich Cat# S8809, RRID:AB_477552

Antibody Information

URL: http://antibodyregistry.org/AB_477552

Proper Citation: Sigma-Aldrich Cat# S8809, RRID:AB_477552

Target Antigen: Sodium Channel, Pan

Host Organism: mouse

Clonality: monoclonal

Comments: Vendor recommendations: Immunofluorescence; Immunohistochemistry; Western Blot; Indirect Immunofluorescence, Immunohistochemistry (Frozen sections), Western Blot

Antibody Name: Mouse Anti-Sodium Channel, Pan Monoclonal Antibody, Unconjugated, Clone K58/35

Description: This monoclonal targets Sodium Channel, Pan

Target Organism: guinea pig, other, feline, rat, hamster, simian, donkey, porcine, canine, goat, horse, mouse, mammals, rabbit, bovine, human, sheep

Clone ID: Clone K58/35

Defining Citation: PMID:18615559, PMID:20506478, PMID:16856127, PMID:17111377

Antibody ID: AB_477552

Vendor: Sigma-Aldrich

Catalog Number: S8809

Record Creation Time: 20250820T022443+0000

Record Last Update: 20250820T133116+0000

Ratings and Alerts

No rating or validation information has been found for Mouse Anti-Sodium Channel, Pan Monoclonal Antibody, Unconjugated, Clone K58/35.

No alerts have been found for Mouse Anti-Sodium Channel, Pan Monoclonal Antibody, Unconjugated, Clone K58/35.

Data and Source Information

Source: Antibody Registry

Usage and Citation Metrics

We found 47 mentions in open access literature.

Listed below are recent publications. The full list is available at RRID .

Lysakowski A, et al. (2026) Distribution of Voltage-Gated Sodium Channels and Scaffolding Proteins on Vestibular Calyx Ending Delineates the Axon Initial Segment. The Journal of comparative neurology, 534(2), e70127.

Abreo TJ, et al. (2025) Plural molecular and cellular mechanisms of pore domain KCNQ2 encephalopathy. eLife, 13.

Egawa R, et al. (2025) Regional heterogeneities of oligodendrocytes underlie biased Ranvier node spacing along single axons in sound localization circuit. eLife, 14.

Elbaz B, et al. (2024) The bone transcription factor Osterix controls extracellular matrix- and node of Ranvier-related gene expression in oligodendrocytes. Neuron, 112(2), 247.

Bekku Y, et al. (2024) Glia trigger endocytic clearance of axonal proteins to promote rodent myelination. Developmental cell.

Rastogi M, et al. (2024) Integrative multi-omic analysis reveals conserved cell-projection deficits in human Down syndrome brains. Neuron, 112(15), 2503.

Drouillas B, et al. (2023) Persistent Nav1.1 and Nav1.6 currents drive spinal locomotor functions through nonlinear dynamics. Cell reports, 42(9), 113085.

Pinatel D, et al. (2023) A class-specific effect of dysmyelination on the excitability of hippocampal interneurons. eLife, 12.

Chang C, et al. (2023) Mouse models of human CNTNAP1-associated congenital hypomyelinating neuropathy and genetic restoration of murine neurological deficits. Cell reports, 42(10), 113274.

Franchi F, et al. (2023) The intramembrane COOH-terminal domain of PRRT2 regulates voltage-dependent Na+ channels. The Journal of biological chemistry, 299(5), 104632.

Libé-Philippot B, et al. (2023) LRRC37B is a human modifier of voltage-gated sodium channels and axon excitability in cortical neurons. Cell, 186(26), 5766.

Dorrego-Rivas A, et al. (2022) The core PCP protein Prickle2 regulates axon number and AIS maturation by binding to AnkG and modulating microtubule bundling. Science advances, 8(36), eabo6333.

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.

Campbell CI, et al. (2022) Complement inhibition prevents glial nodal membrane injury in a GM1 antibody-mediated mouse model. Brain communications, 4(6), fcac306.

McGonigal R, et al. (2022) Schwann cell nodal membrane disruption triggers bystander axonal degeneration in a Guillain-Barré syndrome mouse model. The Journal of clinical investigation, 132(14).

McGonigal R, et al. (2021) Neuronally expressed a-series gangliosides are sufficient to prevent the lethal age-dependent phenotype in GM3-only expressing mice. Journal of neurochemistry, 158(2), 217.

Chang KJ, et al. (2021) TDP-43 maximizes nerve conduction velocity by repressing a cryptic exon for paranodal junction assembly in Schwann cells. eLife, 10.

Baudouin L, et al. (2021) Co-culture of exogenous oligodendrocytes with unmyelinated cerebella: Revisiting ex vivo models and new tools to study myelination. Glia, 69(8), 1916.

Buijs RR, et al. (2021) WDR47 protects neuronal microtubule minus ends from katanin-mediated severing. Cell reports, 36(2), 109371.

Clark AJ, et al. (2021) An iPSC model of hereditary sensory neuropathy-1 reveals L-serine-responsive deficits in neuronal ganglioside composition and axoglial interactions. Cell reports. Medicine, 2(7), 100345.