

Resource Summary Report

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

Anti-K+/Cl- Cotransporter (KCC2)

RRID:AB_310611

Type: Antibody

Proper Citation

Millipore Cat# 07-432, RRID:AB_310611

Antibody Information

URL: http://antibodyregistry.org/AB_310611

Proper Citation: Millipore Cat# 07-432, RRID:AB_310611

Target Antigen: K+/Cl- Cotransporter (KCC2)

Host Organism: rabbit

Clonality: polyclonal

Comments: seller recommendations: IgG; IgG Immunocytochemistry; Western Blot; IC, WB

Antibody Name: Anti-K+/Cl- Cotransporter (KCC2)

Description: This polyclonal targets K+/Cl- Cotransporter (KCC2)

Target Organism: r, ca

Defining Citation: [PMID:18067149](#)

Antibody ID: AB_310611

Vendor: Millipore

Catalog Number: 07-432

Record Creation Time: 20250819T231940+0000

Record Last Update: 20250820T050003+0000

Ratings and Alerts

No rating or validation information has been found for Anti-K+/Cl- Cotransporter (KCC2).

No alerts have been found for Anti-K⁺/Cl⁻ Cotransporter (KCC2).

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 31 mentions in open access literature.

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

Nascimento AA, et al. (2025) Modulation of GABAergic System in a Chicken Retinal Ischemic Model: The Role of Chloride Cotransporters. Journal of neuroscience research, 103(5), e70043.

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.

Colombi I, et al. (2024) Heterogeneous subpopulations of GABAAR-responding neurons coexist across neuronal network scales and developmental stages in health and disease. iScience, 27(4), 109438.

Raveendran VA, et al. (2024) SNARE protein SNAP25 regulates the chloride-transporter KCC2 in neurons. iScience, 27(11), 111156.

Mei F, et al. (2024) Ngfr⁺ cholinergic projection from SI/nBM to mPFC selectively regulates temporal order recognition memory. Nature communications, 15(1), 7342.

Cho N, et al. (2024) The brain-specific kinase LMTK3 regulates neuronal excitability by decreasing KCC2-dependent neuronal Cl⁻ extrusion. iScience, 27(4), 109512.

Zheng X, et al. (2023) Preclinical long-term safety of intraspinal transplantation of human dorsal spinal GABA neural progenitor cells. iScience, 26(11), 108306.

Pethe A, et al. (2023) K⁺/Cl⁻ cotransporter 2 (KCC2) and Na⁺/HCO₃⁻ cotransporter 1 (NBCe1) interaction modulates profile of KCC2 phosphorylation. Frontiers in cellular neuroscience, 17, 1253424.

Fisher KM, et al. (2022) Small sensory spinal lesions that affect hand function in monkeys greatly alter primary afferent and motor neuron connections in the cord. The Journal of comparative neurology, 530(17), 3039.

Weilinger NL, et al. (2022) KCC2 drives chloride microdomain formation in dendritic blebbing. Cell reports, 41(4), 111556.

Mayadali ÜS, et al. (2022) Saccadic premotor burst neurons and histochemical correlates of their firing patterns in rhesus monkey. Journal of the neurological sciences, 439, 120328.

Barbato C, et al. (2022) Silencing of Ago-2 Interacting Protein SERBP1 Relieves KCC2 Repression by miR-92 in Neurons. *Cells*, 11(6).

Rigkou A, et al. (2022) TGF- β 2 Regulates Transcription of the K⁺/Cl⁻ Cotransporter 2 (KCC2) in Immature Neurons and Its Phosphorylation at T1007 in Differentiated Neurons. *Cells*, 11(23).

Bilchak JN, et al. (2021) Enhancing KCC2 activity decreases hyperreflexia and spasticity after chronic spinal cord injury. *Experimental neurology*, 338, 113605.

Guo F, et al. (2021) Nimodipine Promotes Functional Recovery After Spinal Cord Injury in Rats. *Frontiers in pharmacology*, 12, 733420.

Song YJ, et al. (2021) Dysregulation of GABAA Receptor-Mediated Neurotransmission during the Auditory Cortex Critical Period in the Fragile X Syndrome Mouse Model. *Cerebral cortex* (New York, N.Y. : 1991), 32(1), 197.

Mayadali ÜS, et al. (2021) Transmitter and ion channel profiles of neurons in the primate abducens and trochlear nuclei. *Brain structure & function*, 226(7), 2125.

Mueller PJ, et al. (2020) Subregional differences in GABAA receptor subunit expression in the rostral ventrolateral medulla of sedentary versus physically active rats. *The Journal of comparative neurology*, 528(6), 1053.

Goutierre M, et al. (2019) KCC2 Regulates Neuronal Excitability and Hippocampal Activity via Interaction with Task-3 Channels. *Cell reports*, 28(1), 91.

Porter DT, et al. (2019) Prenatal Testosterone Exposure Alters GABAergic Synaptic Inputs to GnRH and KNDy Neurons in a Sheep Model of Polycystic Ovarian Syndrome. *Endocrinology*, 160(11), 2529.