

Resource Summary Report

Generated by [RRID](#) on Sep 8, 2026

Anti-Choline Acetyltransferase Antibody

RRID:AB_2079751

Type: Antibody

Proper Citation

Sigma-Aldrich Cat# AB144P, RRID:AB_2079751

Antibody Information

URL: http://antibodyregistry.org/AB_2079751

Proper Citation: Sigma-Aldrich Cat# AB144P, RRID:AB_2079751

Target Antigen: Choline Acetyltransferase

Host Organism: goat

Clonality: polyclonal

Comments: Applications: immunocytochemistry, immunohistochemistry (formalin-fixed, paraffin-embedded sections), western blot

Antibody Name: Anti-Choline Acetyltransferase Antibody

Description: This polyclonal targets Choline Acetyltransferase

Target Organism: guinea pig, chicken, opossum, monkey, rat, avian, mouse, zebrafish, human

Antibody ID: AB_2079751

Vendor: Sigma-Aldrich

Catalog Number: AB144P

Alternative Catalog Numbers: AB144P-1ML, AB144P, AB144P-200UL

Record Creation Time: 20231110T031022+0000

Record Last Update: 20260831T221324+0000

Ratings and Alerts

- Mouse colon PACT whole wall technique staining in Submucosal plexus in Soma shows few or none. Mouse colon PACT whole wall technique staining in Submucosal plexus in Fibers shows few or none. Mouse colon PACT whole wall technique staining in Myenteric plexus in Soma shows moderate immunostaining. Mouse colon PACT whole wall technique staining in Myenteric plexus in Fibers shows weak immunostaining. Mouse colon Whole mount technique staining in Submucosal plexus in Soma shows weak immunostaining. Mouse colon Whole mount technique staining in Submucosal plexus in Fibers shows moderate immunostaining. Mouse colon Whole mount technique staining in Myenteric plexus in Soma shows moderate immunostaining. Mouse colon Whole mount technique staining in Myenteric plexus in Fibers shows weak immunostaining. - Wang et al. (2021) via SPARC <https://sparc.science/resources/7Mlidjv3RIVrQ11hpBC8PK>

No alerts have been found for Anti-Choline Acetyltransferase Antibody.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 622 mentions in open access literature.

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

Dolci S, et al. (2026) Tumor-associated macrophages enhance peripheral nerve tumor infiltration and spinal cord repair. *Immunity*, 59(2), 438.

Fenstermacher SJ, et al. (2026) Potentiation of active locomotor state by spinal-projecting serotonergic neurons. *Neuron*, 114(6), 1117.

Carrero-Rojas G, et al. (2026) Classical Proprioceptors and Palisade Endings Have Distinct Molecular Profiles in Pig Eye Muscles. *Investigative ophthalmology & visual science*, 67(3), 1.

Xu Y, et al. (2026) BDNF insufficiency exacerbates ALS progression. *Cell reports. Medicine*, 7(5), 102758.

Murataeva N, et al. (2026) Don't Sweat It: Cannabinoid CB1 Receptors Reduce Sweating in a Mouse Model. *FASEB journal : official publication of the Federation of American Societies for Experimental Biology*, 40(12), e72051.

Hatta D, et al. (2026) Proline-Rich Transmembrane Protein 2 Is Variably Expressed Across Excitatory and Inhibitory Neurons in Mouse Motor Circuits. *The Journal of comparative neurology*, 534(6), e70176.

Didava G, et al. (2026) The ansa cervicalis and superior cervical ganglion contribute to the fiber composition of the human hypoglossal nerve and its branches. *Scientific reports*, 16(1), 5889.

Sabbah S, et al. (2026) Bipolar cell networks underlying steady-state intensity encoding in intrinsically photosensitive retinal ganglion cells. *iScience*, 29(3), 115011.

Zhang L, et al. (2026) Genetically encoded fluorescent reporters to visualize ??-synuclein pathology in live brain. *Cell*, 189(7), 2108.

Bohlen MO, et al. (2026) Projection targeting with phototagging to study the structure and function of retinal ganglion cells. *Cell reports methods*, 6(3), 101308.

Spirig SE, et al. (2026) Cell-type-focused compound screen in human organoids reveals CK1 inhibition protects cone photoreceptors from death. *Neuron*, 114(13), 2347.

He A, et al. (2026) Amygdala astrocyte senescence drives stress-induced anxiety and hyperglycemia. *Cell metabolism*, 38(7), 1385.

Gibbons GM, et al. (2026) A human corticospinal organoid-slice connectoid model informs enhancer strategies for post-injury axon regrowth. *Cell reports*, 45(6), 117399.

Lee BC, et al. (2026) Administration of P_{gk1} missense mutation leads to more effective mitigation of neurodegenerative effects observed in ALS mice and transgenic zebrafish. *Biomedicine & pharmacotherapy = Biomedecine & pharmacotherapie*, 201, 119674.

Okamoto K, et al. (2026) Paw switching with lateralized cholinergic modulation. *Cell reports*, 117734.

Zhang M, et al. (2026) Sleep disturbance triggers aberrant activation of vagus circuitry and induces intestinal stem cell dysfunction. *Cell stem cell*, 33(2), 306.

Lian L, et al. (2026) Aberrant CDK4/6-driven cell-cycle reentry drives neuronal loss and defines a therapeutic target in C9orf72 ALS/FTD. *iScience*, 29(2), 114596.

Wang Z, et al. (2026) Transcriptional code for circuit integration in the injured brain by transplanted human neurons. *Cell stem cell*, 33(1), 44.

Sun Y, et al. (2026) Transsynaptic tracing techniques to interrogate neuronal connectivity of glioblastomas. *Nature protocols*, 21(6), 2635.

Uribe-Cano S, et al. (2026) The GPCR Smoothed on cholinergic interneurons modulates dopamine-associated acetylcholine dynamics, learning, and effort management. *iScience*, 29(5), 115324.