

Resource Summary Report

Generated by [dkNET](#) on Jul 31, 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: 20250820T025346+0000

Record Last Update: 20250820T144811+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 588 mentions in open access literature.

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

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

Slade LE, et al. (2026) Neurotoxic effects of chronic ethanol on cholinergic interneurons in the dorsomedial striatum. *Neuropharmacology*, 282, 110706.

Ananth MR, et al. (2025) A central role for acetylcholine in entorhinal cortex function and dysfunction with age in humans and mice. *Cell reports*, 44(2), 115249.

Wang D, et al. (2025) Generation of human nucleus basalis organoids with functional nbM-cortical cholinergic projections in transplanted assembloids. *Cell stem cell*, 32(12), 1833.

Nitabara A, et al. (2025) Maturation of Micturition-Related Neural Circuits That Control Pelvic Visceromotor Functions in Postnatal Rats. *The European journal of neuroscience*, 62(5), e70240.

Santos JRF, et al. (2025) Developmental trajectories predict dendritic remodeling after injury. *iScience*, 28(9), 113373.

Shi MY, et al. (2025) High-speed mapping of whole-mouse peripheral nerves at subcellular resolution. *Cell*, 188(14), 3897.

Baldicano AK, et al. (2025) Spatial Distribution and Morphology of CaMKII-Expressing Amacrine Cells in Marmoset, Macaque, and Human Retina. *The Journal of comparative*

neurology, 533(7), e70078.

Veshchitskii A, et al. (2025) Neuroanatomical and neurochemical atlas of the spiny mouse (*Acomys cahirinus*) spinal cord. *Brain structure & function*, 230(7), 124.

Scuderi S, et al. (2025) Specification of human brain regions with orthogonal gradients of WNT and SHH in organoids reveals patterning variations across cell lines. *Cell stem cell*, 32(6), 970.

Connelly AA, et al. (2025) Characterizing the phenotype of pre-B??tzinger Complex neurons in rats. *Neuroscience*, 576, 45.

Fuller-Jackson JP, et al. (2025) A 3D Atlas of Visceral and Somatic Pelvic Motor Neurons in Whole Mounts of Female and Male Rat Spinal Cords. *The Journal of comparative neurology*, 533(11), e70109.

Lee JM, et al. (2025) Efficacy of Forward and Reverse Suturing Techniques in Enhancing Neural Regeneration and Motor Function Recovery Following Facial Nerve Axotomy. *Journal of clinical medicine*, 15(1).

Garella R, et al. (2025) Growth Differentiation Factor 15 Induces Gastric Fundus Contraction Involving Cholinergic Excitation: Morphofunctional Evidence in Rodent Models. *Journal of cellular and molecular medicine*, 29(11), e70629.

Zapadka TE, et al. (2025) Optic nerve injury impairs intrinsic mechanisms underlying electrical activity in a resilient retinal ganglion cell. *The Journal of physiology*.

Lin M, et al. (2025) A cholinergic spinal pathway for the adaptive control of breathing. *Cell reports*, 44(8), 116078.

Li T, et al. (2025) A pontine center in descending pain control. *Neuron*, 113(11), 1789.

Miranda NC, et al. (2025) Role of substantia Nigra dopaminergic neurons in respiratory modulation and limitations of levodopa in Parkinson's disease. *Experimental neurology*, 387, 115193.

Wang Y, et al. (2025) Huperzine A attenuates epileptic seizures via enhancing dCA1-projecting septal cholinergic transmission. *Acta pharmacologica Sinica*, 46(8), 2151.

Slade LE, et al. (2025) Ethanol inhibits dorsomedial striatum acetylcholine release. *bioRxiv* : the preprint server for biology.