

Resource Summary Report

Generated by PRECISE-TBI on Sep 4, 2026

Anti-Choline Acetyltransferase antibody [EPR13024(B)]

RRID:AB_2687983

Type: Antibody

Proper Citation

Abcam Cat# ab181023, RRID:AB_2687983

Antibody Information

URL: http://antibodyregistry.org/AB_2687983

Proper Citation: Abcam Cat# ab181023, RRID:AB_2687983

Target Antigen: Synthetic peptide (the amino acid sequence is considered to be commercially sensitive) within Human Choline Acetyltransferase aa 700 to the C-terminus. The exact sequence is proprietary.

Host Organism: rabbit

Clonality: monoclonal

Comments: Image validation available for WB, ICC/IF, Flow Cytometry, IP in MDS.

Antibody Name: Anti-Choline Acetyltransferase antibody [EPR13024(B)]

Description: This monoclonal targets Synthetic peptide (the amino acid sequence is considered to be commercially sensitive) within Human Choline Acetyltransferase aa 700 to the C-terminus. The exact sequence is proprietary.

Target Organism: rat, mouse, human

Clone ID: EPR13024(B)

Antibody ID: AB_2687983

Vendor: Abcam

Catalog Number: ab181023

Record Creation Time: 20231110T034039+0000

Record Last Update: 20260831T233215+0000

Ratings and Alerts

No rating or validation information has been found for Anti-Choline Acetyltransferase antibody [EPR13024(B)].

No alerts have been found for Anti-Choline Acetyltransferase antibody [EPR13024(B)].

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 12 mentions in open access literature.

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

Wang P, et al. (2026) Transplantation of human neural stem cells repairs neural circuits and restores neurological function in the stroke-injured brain. *Neural regeneration research*, 21(3), 1162.

Gong H, et al. (2025) Therapeutic potential of 5HT2CR in alleviating spasticity and pain via modulation of motor neurons and interneurons in spinal cord injury. *iScience*, 28(10), 113489.

Luo T, et al. (2025) Establishing dorsal-ventral patterning in human neural tube organoids with synthetic organizers. *Cell stem cell*, 32(7), 1071.

Thakur B, et al. (2025) Comparative Analysis of Cholinergic Machinery in Carcinomas: Discovery of Membrane-Tethered ChAT as Evidence for Surface-Based ACh Synthesis in Neuroblastoma Cells. *International journal of molecular sciences*, 26(21).

Huang J, et al. (2024) Blockade of mesenteric and omental adipose tissue sensory neurons improves cardiac remodeling through sympathetic pathway. *iScience*, 27(7), 110245.

Wang J, et al. (2024) Cholinergic signaling via muscarinic M1 receptor confers resistance to docetaxel in prostate cancer. *Cell reports. Medicine*, 5(2), 101388.

Yang RY, et al. (2023) Knockdown of polypyrimidine tract binding protein facilitates motor function recovery after spinal cord injury. *Neural regeneration research*, 18(2), 396.

Zeng Q, et al. (2023) Spleen fibroblastic reticular cell-derived acetylcholine promotes lipid metabolism to drive autoreactive B cell responses. *Cell metabolism*, 35(5), 837.

Shen M, et al. (2023) Effects of Semaphorin3A on the growth of sensory and motor neurons. *Experimental cell research*, 424(2), 113506.

Rajkumar S, et al. (2023) Fast and efficient synaptosome isolation and post-synaptic density enrichment from hiPSC-motor neurons by biochemical sub-cellular fractionation.

STAR protocols, 4(1), 102061.

He QR, et al. (2022) Peripheral nerve fibroblasts secrete neurotrophic factors to promote axon growth of motoneurons. *Neural regeneration research*, 17(8), 1833.

Jo BG, et al. (2020) Vagal afferent fibers contribute to the anti-inflammatory reactions by vagus nerve stimulation in concanavalin A model of hepatitis in rats. *Molecular medicine (Cambridge, Mass.)*, 26(1), 119.