

Resource Summary Report

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

Anti-Choline Acetyltransferase

RRID:AB_90650

Type: Antibody

Proper Citation

Millipore Cat# AB144, RRID:AB_90650

Antibody Information

URL: http://antibodyregistry.org/AB_90650

Proper Citation: Millipore Cat# AB144, RRID:AB_90650

Target Antigen: Choline Acetyltransferase

Host Organism: goat

Clonality: polyclonal

Comments: seller recommendations: IH, WB; Western Blot; Immunohistochemistry

Antibody Name: Anti-Choline Acetyltransferase

Description: This polyclonal targets Choline Acetyltransferase

Target Organism: guinea pig, gp, m, r

Defining Citation: [PMID:17444489](#), [PMID:20533364](#), [PMID:18398825](#), [PMID:21280045](#), [PMID:18398824](#), [PMID:18383504](#), [PMID:20853508](#), [PMID:18076080](#)

Antibody ID: AB_90650

Vendor: Millipore

Catalog Number: AB144

Record Creation Time: 20231110T081646+0000

Record Last Update: 20260829T211008+0000

Ratings and Alerts

No rating or validation information has been found for Anti-Choline Acetyltransferase.

No alerts have been found for Anti-Choline Acetyltransferase.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 43 mentions in open access literature.

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

McLoughlin J, et al. (2026) Estren prevents beta-amyloid-induced basal forebrain cholinergic loss and long-term spatial memory deficits in aged female mice. *Scientific reports*, 16(1).

Chaudhari K, et al. (2026) Temporally segregated functions for Gfi1 in the development and maintenance of direction selectivity in the vertebrate retina. *Current biology : CB*, 36(15), 3877.

Li SJ, et al. (2026) A disinhibitory basal forebrain-to-cortex projection supports sustained attention. *Cell*, 189(13), 4140.

Karube F, et al. (2025) Matrix-biased excitatory and inhibitory inputs to the striatum involving external segment of the globus pallidus. *Frontiers in cellular neuroscience*, 19, 1706469.

Kim SJ, et al. (2025) A consensus definition for deep layer 6 excitatory neurons in mouse somatosensory, visual, and motor cortex. *Cell reports*, 44(9), 116167.

Chang H, et al. (2024) Stress-sensitive neural circuits change the gut microbiome via duodenal glands. *Cell*, 187(19), 5393.

Kim SJ, et al. (2024) A consensus definition for deep layer 6 excitatory neurons in mouse neocortex. *bioRxiv : the preprint server for biology*.

Fritz M, et al. (2024) Nicotinic $\alpha 7$ receptors on cholinergic neurons in the striatum mediate cocaine-reinforcement, but not food reward. *Frontiers in molecular neuroscience*, 17, 1418686.

Zhu Q, et al. (2023) Human cortical interneurons optimized for grafting specifically integrate, abort seizures, and display prolonged efficacy without over-inhibition. *Neuron*, 111(6), 807.

Tubert C, et al. (2023) Feed-forward metabotropic signaling by Cav1 Ca^{2+} channels supports pacemaking in pedunculopontine cholinergic neurons. *Neurobiology of disease*, 188, 106328.

Zhang T, et al. (2022) An inter-organ neural circuit for appetite suppression. *Cell*, 185(14), 2478.

Heo D, et al. (2022) Stage-specific control of oligodendrocyte survival and morphogenesis by TDP-43. *eLife*, 11.

Tisdale S, et al. (2022) SMN controls neuromuscular junction integrity through U7 snRNP. *Cell reports*, 40(12), 111393.

Kövesdi E, et al. (2022) 17 β -estradiol does not have a direct effect on the function of striatal cholinergic interneurons in adult mice in vitro. *Frontiers in endocrinology*, 13, 993552.

Molnár K, et al. (2022) Motoneuronal inflammasome activation triggers excessive neuroinflammation and impedes regeneration after sciatic nerve injury. *Journal of neuroinflammation*, 19(1), 68.

Jarzebowski P, et al. (2021) Impaired spatial learning and suppression of sharp wave ripples by cholinergic activation at the goal location. *eLife*, 10.

Deng Y, et al. (2021) Progression of basal ganglia pathology in heterozygous Q175 knock-in Huntington's disease mice. *The Journal of comparative neurology*, 529(7), 1327.

Wang F, et al. (2021) OFF-transient alpha RGCs mediate looming triggered innate defensive response. *Current biology : CB*, 31(11), 2263.

Calva CB, et al. (2020) Intranasal administration of orexin peptides: Mechanisms and therapeutic potential for age-related cognitive dysfunction. *Brain research*, 1731, 145921.

Ito H, et al. (2020) Probabilistic, spinally-gated control of bladder pressure and autonomous micturition by Barrington's nucleus CRH neurons. *eLife*, 9.