

Resource Summary Report

Generated by [RRID](#) on Aug 10, 2026

Anti-Choline Acetyltransferase (ChAT)

RRID:AB_2079760

Type: Antibody

Proper Citation

Millipore Cat# AB143, RRID:AB_2079760

Antibody Information

URL: http://antibodyregistry.org/AB_2079760

Proper Citation: Millipore Cat# AB143, RRID:AB_2079760

Target Antigen: Choline Acetyltransferase (ChAT)

Host Organism: rabbit

Clonality: polyclonal

Comments: seller recommendations: Immunohistochemistry; Western Blot; Immunoprecipitation; IH, IH(P), IP, WB

Antibody Name: Anti-Choline Acetyltransferase (ChAT)

Description: This polyclonal targets Choline Acetyltransferase (ChAT)

Target Organism: h, nonhuman primate, m, r, bat, mk, fe

Defining Citation: [PMID:23254904](#), [PMID:23296794](#), [PMID:18186030](#), [PMID:19950118](#), [PMID:17029258](#), [PMID:16933208](#), [PMID:19105198](#)

Antibody ID: AB_2079760

Vendor: Millipore

Catalog Number: AB143

Record Creation Time: 20250820T050421+0000

Record Last Update: 20250820T204305+0000

Ratings and Alerts

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

No alerts have been found for Anti-Choline Acetyltransferase (ChAT).

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 20 mentions in open access literature.

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

Anderson RS, et al. (2025) Protocol for direct reprogramming of canine fibroblasts to induced motor neurons. STAR protocols, 6(3), 103975.

Dai W, et al. (2025) A neuronal Slit1-dependent program rescues oligodendrocyte differentiation and myelination under chronic hypoxic conditions. Cell reports, 44(4), 115467.

Oliveira LM, et al. (2024) Afferent and Efferent Connections of the Postinspiratory Complex (PiCo) Revealed by AAV and Monosynaptic Rabies Viral Tracing. The Journal of comparative neurology, 532(11), e25683.

Zhang Q, et al. (2024) Septal stimulation attenuates hippocampal seizure with subregion specificity. Epilepsia open, 9(4), 1445.

Chen J, et al. (2023) Activation of medial septum cholinergic neurons restores cognitive function in temporal lobe epilepsy. Neural regeneration research, 18(11), 2459.

McKenna JT, et al. (2021) Characterization of basal forebrain glutamate neurons suggests a role in control of arousal and avoidance behavior. Brain structure & function, 226(6), 1755.

Zhu Z, et al. (2021) A substantia innominata-midbrain circuit controls a general aggressive response. Neuron, 109(9), 1540.

Allen LL, et al. (2021) Phrenic motor neuron survival below cervical spinal cord hemisection. Experimental neurology, 346, 113832.

Cheng J, et al. (2019) HCN2 Channels in Cholinergic Interneurons of Nucleus Accumbens Shell Regulate Depressive Behaviors. Neuron, 101(4), 662.

McLeod VM, et al. (2019) Androgen receptor antagonism accelerates disease onset in the SOD1G93A mouse model of amyotrophic lateral sclerosis. British journal of pharmacology, 176(13), 2111.

Lee N, et al. (2019) Muscle ciliary neurotrophic factor receptor γ helps maintain choline acetyltransferase levels in denervated motor neurons following peripheral nerve lesion. *Experimental neurology*, 317, 202.

Biagioni F, et al. (2019) Degeneration of cholinergic basal forebrain nuclei after focally evoked status epilepticus. *Neurobiology of disease*, 121, 76.

Mercurio S, et al. (2019) Nervous system characterization during the development of a basal echinoderm, the feather star *Antedon mediterranea*. *The Journal of comparative neurology*, 527(6), 1127.

Meng C, et al. (2018) Spectrally Resolved Fiber Photometry for Multi-component Analysis of Brain Circuits. *Neuron*, 98(4), 707.

Casini A, et al. (2018) Distribution of choline acetyltransferase (ChAT) immunoreactivity in the brain of the teleost *Cyprinus carpio*. *European journal of histochemistry : EJH*, 62(3).

Gillet C, et al. (2018) Cholinergic innervation of principal neurons in the cochlear nucleus of the Mongolian gerbil. *The Journal of comparative neurology*, 526(10), 1647.

Hamamoto M, et al. (2017) Structural basis for cholinergic regulation of neural circuits in the mouse olfactory bulb. *The Journal of comparative neurology*, 525(3), 574.

Lee N, et al. (2017) Adult ciliary neurotrophic factor receptors help maintain facial motor neuron choline acetyltransferase expression in vivo following nerve crush. *The Journal of comparative neurology*, 525(5), 1206.

Pabst M, et al. (2016) Astrocyte Intermediaries of Septal Cholinergic Modulation in the Hippocampus. *Neuron*, 90(4), 853.

Vaccaro R, et al. (2015) Localization of α -synuclein in teleost central nervous system: immunohistochemical and Western blot evidence by 3D5 monoclonal antibody in the common carp, *Cyprinus carpio*. *The Journal of comparative neurology*, 523(7), 1095.