

Resource Summary Report

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Anti-Choline Acetyltransferase

RRID:AB_2079751

Type: Antibody

Proper Citation

(Millipore Cat# AB144P, RRID:AB_2079751)

Antibody Information

URL: http://antibodyregistry.org/AB_2079751

Proper Citation: (Millipore Cat# AB144P, RRID:AB_2079751)

Target Antigen: ChAT

Host Organism: goat

Clonality: polyclonal

Comments: Applications: IH(P), ICC, IHC, WB

Antibody Name: Anti-Choline Acetyltransferase

Description: This polyclonal targets ChAT

Target Organism: chicken, opossum, rat, avian, mouse, human

Antibody ID: AB_2079751

Vendor: Millipore

Catalog Number: AB144P

Record Creation Time: 20231110T055704+0000

Record Last Update: 20241114T224255+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.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 596 mentions in open access literature.

Listed below are recent publications. The full list is available at [FDI Lab - SciCrunch.org](#).

Pagiazitis JG, et al. (2025) Catecholaminergic dysfunction drives postural and locomotor deficits in a mouse model of spinal muscular atrophy. *Cell reports*, 44(1), 115147.

Bryson JB, et al. (2024) An optogenetic cell therapy to restore control of target muscles in an aggressive mouse model of amyotrophic lateral sclerosis. *eLife*, 12.

Rotterman TM, et al. (2024) Modulation of central synapse remodeling after remote peripheral injuries by the CCL2-CCR2 axis and microglia. *Cell reports*, 43(2), 113776.

Ritesh KC, et al. (2024) Multimodal Hox5 activity generates motor neuron diversity. *bioRxiv* : the preprint server for biology.

Rajebhosale P, et al. (2024) Functionally refined encoding of threat memory by distinct populations of basal forebrain cholinergic projection neurons. *Research square*.

Chen W, et al. (2024) Distinct eLPBChAT projections for methamphetamine withdrawal anxiety and primed reinstatement of conditioned place preference. *Theranostics*, 14(7), 2881.

Kronsteiner B, et al. (2024) Characterization, number, and spatial organization of nerve fibers in the human cervical vagus nerve and its superior cardiac branch. *Brain stimulation*,

17(3), 510.

Kc R, et al. (2024) Multimodal Hox5 activity generates motor neuron diversity. *Communications biology*, 7(1), 1166.

Miranda NC, et al. (2024) Sleep-related respiratory disruptions and laterodorsal tegmental nucleus in a mouse model of Parkinson's disease. *iScience*, 27(11), 111251.

Molas S, et al. (2024) Dopamine control of social novelty preference is constrained by an interpeduncular-tegmentum circuit. *Nature communications*, 15(1), 2891.

Vastagh C, et al. (2024) Cholinergic Control of GnRH Neuron Physiology and Luteinizing Hormone Secretion in Male Mice: Involvement of ACh/GABA Cotransmission. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 44(12).

Sun S, et al. (2024) The MuSK agonist antibody protects the neuromuscular junction and extends the lifespan in C9orf72-ALS mice. *Molecular therapy : the journal of the American Society of Gene Therapy*, 32(7), 2176.

Alfahel L, et al. (2024) Targeting low levels of MIF expression as a potential therapeutic strategy for ALS. *Cell reports. Medicine*, 5(5), 101546.

Narai E, et al. (2024) Orexinergic neurons contribute to autonomic cardiovascular regulation for locomotor exercise. *The Journal of physiology*.

Gasparini S, et al. (2024) Molecular Ontology of the Nucleus of Solitary Tract. *The Journal of comparative neurology*, 532(12), e70004.

Kashiwagi M, et al. (2024) A pontine-medullary loop crucial for REM sleep and its deficit in Parkinson's disease. *Cell*, 187(22), 6272.

Shiga Y, et al. (2024) Endoplasmic reticulum stress-related deficits in calcium clearance promote neuronal dysfunction that is prevented by SERCA2 gene augmentation. *Cell reports. Medicine*, 5(12), 101839.

Strain MM, et al. (2024) Dorsal motor vagal neurons can elicit bradycardia and reduce anxiety-like behavior. *iScience*, 27(3), 109137.

Wang H, et al. (2024) Parallel pathways carrying direction-and orientation-selective retinal signals to layer 4 of the mouse visual cortex. *Cell reports*, 43(3), 113830.

Lee SCS, et al. (2024) Thorny and Tufted Retinal Ganglion Cells Express the Transcription Factor Forkhead Proteins Foxp1 and Foxp2 in Marmoset (*Callithrix jacchus*). *The Journal of comparative neurology*, 532(8), e25663.