

# Resource Summary Report

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## Anti-Tyrosine Hydroxylase Antibody, clone LNC1

RRID:AB\_2201528

Type: Antibody

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### Proper Citation

(Sigma-Aldrich Cat# MAB318, RRID:AB\_2201528)

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### Antibody Information

**URL:** [http://antibodyregistry.org/AB\\_2201528](http://antibodyregistry.org/AB_2201528)

**Proper Citation:** (Sigma-Aldrich Cat# MAB318, RRID:AB\_2201528)

**Target Antigen:** Tyrosine Hydroxylase

**Host Organism:** mouse

**Clonality:** monoclonal

**Comments:** Applications: immunohistochemistry (formalin-fixed, paraffin-embedded sections), immunoprecipitation, western blot

Consolidation on 6/2023: AB\_2315522, AB\_10050306

**Antibody Name:** Anti-Tyrosine Hydroxylase Antibody, clone LNC1

**Description:** This monoclonal targets Tyrosine Hydroxylase

**Target Organism:** chicken, monkey, rat, vole, mouse, frog, zebrafish, human, lizard

**Clone ID:** clone LNC1

**Antibody ID:** AB\_2201528

**Vendor:** Sigma-Aldrich

**Catalog Number:** MAB318

**Record Creation Time:** 20241017T001511+0000

**Record Last Update:** 20241017T015542+0000

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## Ratings and Alerts

- Mouse colon PACT whole wall technique staining in Submucosal plexus in Soma was negative for immunostaining. 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 was negative for immunostaining. Mouse colon PACT whole wall technique staining in Myenteric plexus in Fibers shows few or none. Mouse colon Whole mount technique staining in Submucosal plexus in Soma was negative for immunostaining. Mouse colon Whole mount technique staining in Submucosal plexus in Fibers shows few or none. Mouse colon Whole mount technique staining in Myenteric plexus in Soma was negative for immunostaining. Mouse colon Whole mount technique staining in Myenteric plexus in Fibers shows few or none. - Wang et al. (2021) via SPARC  
<https://sparc.science/resources/7Mlidjv3RIVrQ11hpBC8PK>

No alerts have been found for Anti-Tyrosine Hydroxylase Antibody, clone LNC1.

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## Data and Source Information

**Source:** [Antibody Registry](#)

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## Usage and Citation Metrics

We found 240 mentions in open access literature.

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

Markam PS, et al. (2025) Mesolimbic dopamine neurons drive infradian rhythms in sleep-wake and heightened activity state. *Science advances*, 11(1), eado9965.

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.

Kaneko T, et al. (2024) Deciphering social traits and pathophysiological conditions from natural behaviors in common marmosets. *Current biology : CB*, 34(13), 2854.

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

Cai J, et al. (2024) An excitatory projection from the basal forebrain to the ventral tegmental area that underlies anorexia-like phenotypes. *Neuron*, 112(3), 458.

Cherian S, et al. (2024) Loss of Midbrain Dopamine Neurons Does Not Alter GABAergic Inhibition Mediated by Parvalbumin-Expressing Interneurons in Mouse Primary Motor Cortex. *eNeuro*, 11(5).

Yokoyama T, et al. (2024) Distribution and morphology of serotonin transporter-immunoreactive type I cells in the rat carotid body. *Anatomical record* (Hoboken, N.J. : 2007).

Carbonell-Roig J, et al. (2024) Dysregulated acetylcholine-mediated dopamine neurotransmission in the eIF4E Tg mouse model of autism spectrum disorders. *Cell reports*, 43(12), 114997.

Chen L, et al. (2024) Motor Cortical Neuronal Hyperexcitability Associated with  $\alpha$ -Synuclein Aggregation. *Research square*.

Wang J, et al. (2024) The cation channel mechanisms of subthreshold inward depolarizing currents in the mice VTA dopaminergic neurons and their roles in the chronic-stress-induced depression-like behavior. *eLife*, 12.

Godieva V, et al. (2024) Physiological JNK3 Concentrations Are Higher in Motor-related and Disease-implicated Brain Regions of C57BL6/J Mice. *bioRxiv : the preprint server for biology*.

Singh A, et al. (2024) Combining fibril-induced alpha-synuclein aggregation and 6-hydroxydopamine in a mouse model of Parkinson's disease and the effect of cerebral dopamine neurotrophic factor on the induced neurodegeneration. *The European journal of neuroscience*, 59(1), 132.

Markovic T, et al. (2024) A locus coeruleus to dorsal hippocampus pathway mediates cue-induced reinstatement of opioid self-administration in male and female rats. *Neuropsychopharmacology : official publication of the American College of Neuropsychopharmacology*.

Parishar P, et al. (2024) Changes in the dopaminergic circuitry and adult neurogenesis linked to reinforcement learning in corvids. *Frontiers in neuroscience*, 18, 1359874.

Xu X, et al. (2024) Hypothalamic CRF neurons facilitate brain reward function. *Current biology : CB*, 34(2), 389.

Liu D, et al. (2024) An Ascending Excitatory Circuit from the Dorsal Raphe for Sensory Modulation of Pain. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 44(4).

Omholt SW, et al. (2024) Bnip3 expression is strongly associated with reelin-positive entorhinal cortex layer II neurons. *Brain structure & function*, 229(7), 1617.

Massaro Cenere M, et al. (2024) Systemic inflammation accelerates neurodegeneration in a rat model of Parkinson's disease overexpressing human alpha synuclein. *NPJ Parkinson's disease*, 10(1), 213.

Liu Z, et al. (2023) Chronic carbon disulfide exposure induces parkinsonian pathology via  $\alpha$ -synuclein aggregation and necrosome complex interaction. *iScience*, 26(10), 107787.

Kovaleva V, et al. (2023) MANF regulates neuronal survival and UPR through its ER-located

receptor IRE1?. Cell reports, 42(2), 112066.