

Resource Summary Report

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Mouse Anti-Rat Tyrosine Hydroxylase Monoclonal Antibody, Unconjugated, Clone TH-2

RRID:AB_477560

Type: Antibody

Proper Citation

Sigma-Aldrich Cat# T1299, RRID:AB_477560

Antibody Information

URL: http://antibodyregistry.org/AB_477560

Proper Citation: Sigma-Aldrich Cat# T1299, RRID:AB_477560

Target Antigen: Tyrosine Hydroxylase

Host Organism: mouse

Clonality: monoclonal

Comments: Vendor recommendations: Immunohistochemistry; Immunoprecipitation; Western Blot; Immunohistochemistry, Immunoprecipitation, Western Blot

Antibody Name: Mouse Anti-Rat Tyrosine Hydroxylase Monoclonal Antibody, Unconjugated, Clone TH-2

Description: This monoclonal targets Tyrosine Hydroxylase

Target Organism: monkey, rat, simian, rabbit, bovine, human, sheep

Clone ID: Clone TH-2

Defining Citation: [PMID:20151363](#), [PMID:19844994](#), [PMID:16917821](#), [PMID:16802332](#), [PMID:18260139](#), [PMID:23787707](#), [PMID:18399538](#)

Antibody ID: AB_477560

Vendor: Sigma-Aldrich

Catalog Number: T1299

Record Creation Time: 20250819T221526+0000

Ratings and Alerts

No rating or validation information has been found for Mouse Anti-Rat Tyrosine Hydroxylase Monoclonal Antibody, Unconjugated, Clone TH-2.

No alerts have been found for Mouse Anti-Rat Tyrosine Hydroxylase Monoclonal Antibody, Unconjugated, Clone TH-2.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 55 mentions in open access literature.

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

Azambuja MMO, et al. (2026) Age-related dopaminergic integrity in the SNpc and VTA: morphometric and volumetric findings in marmoset (*Callithrix jacchus*). *Frontiers in neuroanatomy*, 20, 1768392.

Li T, et al. (2026) Genetic identification of mouse trigeminal afferents responsible for mechanical allodynia. *Cell reports*, 45(1), 116803.

Zhang X, et al. (2025) 3D-generation of high-purity midbrain dopaminergic progenitors and lineage-guided refinement of grafts supports Parkinson's disease cell therapy. *Cell stem cell*, 32(11), 1758.

Yao H, et al. (2025) Microglia-drive IRF8 upregulates complement pathway in Parkinson's disease. *Biochimica et biophysica acta. Molecular basis of disease*, 1871(7), 167928.

Yan W, et al. (2025) Human stem cell-derived A10 dopaminergic neurons specifically integrate into mouse circuits and improve depression-like behaviors. *Cell stem cell*, 32(9), 1457.

Yao H, et al. (2024) Exercise training upregulates CD55 to suppress complement-mediated synaptic phagocytosis in Parkinson's disease. *Journal of neuroinflammation*, 21(1), 246.

Statz M, et al. (2024) Subthalamic nucleus deep brain stimulation induces functional deficits in norepinephrineric neurotransmission in a Parkinson's disease model. *Brain research*, 1841, 149128.

Kuleshkaya N, et al. (2024) HER-096 is a CDNF-derived brain-penetrating peptidomimetic that protects dopaminergic neurons in a mouse synucleinopathy model of Parkinson's disease. *Cell chemical biology*, 31(3), 593.

Patrone LGA, et al. (2024) Long-term effects on cardiorespiratory and behavioral responses in male and female rats prenatally exposed to cannabinoid. *American journal of physiology. Lung cellular and molecular physiology*, 327(3), L341.

Helf C, et al. (2023) Subthalamic nucleus deep brain stimulation induces nigrostriatal dopaminergic plasticity in a stable rat model of Parkinson's disease. *Neuroreport*, 34(10), 506.

Fazzari M, et al. (2023) GM1 Oligosaccharide Efficacy in Parkinson's Disease: Protection against MPTP. *Biomedicines*, 11(5).

Zhang L, et al. (2023) Bidirectional control of parathyroid hormone and bone mass by subfornical organ. *Neuron*, 111(12), 1914.

Fazzari M, et al. (2023) GM1 oligosaccharide efficacy against α -synuclein aggregation and toxicity in vitro. *Biochimica et biophysica acta. Molecular and cell biology of lipids*, 1868(9), 159350.

Herselman MF, et al. (2023) Sex-Dependent Effects of Chronic Restraint Stress on Mood-Related Behaviours and Neurochemistry in Mice. *International journal of molecular sciences*, 24(12).

Patrone LGA, et al. (2023) Sex- and age-specific respiratory alterations induced by prenatal exposure to the cannabinoid receptor agonist WIN 55,212-2 in rats. *British journal of pharmacology*.

He KJ, et al. (2023) LRRK2 G2019S promotes astrocytic inflammation induced by oligomeric α -synuclein through NF- κ B pathway. *iScience*, 26(11), 108130.

Bousseyrol E, et al. (2023) Dopaminergic and prefrontal dynamics co-determine mouse decisions in a spatial gambling task. *Cell reports*, 42(5), 112523.

Herselman MF, et al. (2023) The Effects of Chronic Unpredictable Mild Stress and Semi-Pure Diets on the Brain, Gut and Adrenal Medulla in C57BL6 Mice. *International journal of molecular sciences*, 24(19).

Campideli-Santana AC, et al. (2022) Partial loss of arcuate kisspeptin neurons in female rats stimulates luteinizing hormone and decreases prolactin secretion induced by estradiol. *Journal of neuroendocrinology*, 34(11), e13204.

Fonseca CS, et al. (2022) Norepinephrine modulation of heat dissipation in female rats lacking estrogen. *Journal of neuroendocrinology*, 34(10), e13188.