Resource Summary Report

Generated by RRID on Aug 3, 2026

Mouse Anti-Rat Tyrosine Hydroxylase Monoclonal Antibody, Unconjugated, Clone TH-16

RRID:AB_477569
Type: Antibody

Proper Citation

Sigma-Aldrich Cat# T2928, RRID:AB_477569

Antibody Information

URL: http://antibodyregistry.org/AB_477569

Proper Citation: Sigma-Aldrich Cat# T2928, RRID:AB_477569

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-16

Description: This monoclonal targets Tyrosine Hydroxylase

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

Clone ID: Clone TH-16

Defining Citation: PMID:19844991, PMID:17206602, PMID:19107780, PMID:18465789, PMID:17990272, PMID:17183538, PMID:23047654

Antibody ID: AB_477569

Vendor: Sigma-Aldrich

Catalog Number: T2928

Record Creation Time: 20250819T234852+0000

Record Last Update: 20250820T063006+0000

Ratings and Alerts

No rating or validation information has been found for Mouse Anti-Rat Tyrosine Hydroxylase Monoclonal Antibody, Unconjugated, Clone TH-16.

No alerts have been found for Mouse Anti-Rat Tyrosine Hydroxylase Monoclonal Antibody, Unconjugated, Clone TH-16.

Data and Source Information

Source: Antibody Registry

Usage and Citation Metrics

We found 52 mentions in open access literature.

Listed below are recent publications. The full list is available at RRID .

Luo H, et al. (2026) Low-density lipoprotein receptor-related protein 1 mediates ?-synuclein transmission from the striatum to the substantia nigra in animal models of Parkinson's disease. Neural regeneration research, 21(4), 1595.

Kumari R, et al. (2025) Retrograde control of sympathetic neuron-satellite glia interactions by target-derived NGF signaling. Cell reports, 44(12), 116697.

Basu S, et al. (2025) Transient receptor potential vanilloid 2 (TRPV2) channels modulate the nigrostriatal dopaminergic activity in rats. Neuropharmacology, 278, 110545.

Kumari R, et al. (2024) Sympathetic NPY controls glucose homeostasis, cold tolerance, and cardiovascular functions in mice. Cell reports, 43(2), 113674.

Reiner A, et al. (2024) Neurochemistry and circuit organization of the lateral spiriform nucleus of birds: A uniquely nonmammalian direct pathway component of the basal ganglia. The Journal of comparative neurology, 532(5), e25620.

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

Gatica-Garcia B, et al. (2024) Unilateral rNurr1-V5 transgene expression in nigral dopaminergic neurons mitigates bilateral neuropathology and behavioral deficits in parkinsonian rats with ?-synucleinopathy. Neural regeneration research, 19(9), 2057.

Avvisati R, et al. (2024) Distributional coding of associative learning in discrete populations of midbrain dopamine neurons. Cell reports, 43(4), 114080.

Rivas-Santisteban R, et al. (2024) Cannabinoid regulation of angiotensin II-induced calcium signaling in striatal neurons. NPJ Parkinson's disease, 10(1), 220.

Saenz J, et al. (2024) Parkinson's disease gene, Synaptojanin1, dysregulates the surface maintenance of the dopamine transporter. NPJ Parkinson's disease, 10(1), 148.

Ba W, et al. (2024) A REM-active basal ganglia circuit that regulates anxiety. Current biology : CB, 34(15), 3301.

Chen C, et al. (2023) Parkinson's disease neurons exhibit alterations in mitochondrial quality control proteins. NPJ Parkinson's disease, 9(1), 120.

Fehér M, et al. (2023) Downregulation of PACAP and the PAC1 Receptor in the Basal Ganglia, Substantia Nigra and Centrally Projecting Edinger-Westphal Nucleus in the Rotenone model of Parkinson's Disease. International journal of molecular sciences, 24(14).

Azcorra M, et al. (2023) Unique functional responses differentially map onto genetic subtypes of dopamine neurons. Nature neuroscience, 26(10), 1762.

Saenz J, et al. (2023) Cocaine-regulated trafficking of dopamine transporters in cultured neurons revealed by a pH sensitive reporter. iScience, 26(1), 105782.

Grunz EA, et al. (2023) Adventitial macrophage accumulation impairs perivascular nerve function in mesenteric arteries with inflammatory bowel disease. Frontiers in physiology, 14, 1198066.

Kumari R, et al. (2023) Sympathetic NPY controls glucose homeostasis, cold tolerance, and cardiovascular functions in mice. bioRxiv : the preprint server for biology.

Lopez-Lopez A, et al. (2023) Interactions between Angiotensin Type-1 Antagonists, Statins, and ROCK Inhibitors in a Rat Model of L-DOPA-Induced Dyskinesia. Antioxidants (Basel, Switzerland), 12(7).

George NM, et al. (2022) Excitable Axonal Domains Adapt to Sensory Deprivation in the Olfactory System. The Journal of neuroscience : the official journal of the Society for Neuroscience, 42(8), 1491.

Vaidya B, et al. (2022) Pharmacological Modulation of TRPM2 Channels via PARP Pathway Leads to Neuroprotection in MPTP-induced Parkinson's Disease in Sprague Dawley Rats. Molecular neurobiology, 59(3), 1528.