# Resource Summary Report

Generated by FDI Lab - SciCrunch.org on Apr 14, 2025

## Mouse Anti-Tryptophan Hydroxylase Monoclonal Antibody, Unconjugated, Clone WH-3

RRID:AB_261587
Type: Antibody

### Proper Citation

(Sigma-Aldrich Cat# T0678, RRID:AB_261587)

### Antibody Information

**URL:** http://antibodyregistry.org/AB_261587

**Proper Citation:** (Sigma-Aldrich Cat# T0678, RRID:AB_261587)

**Target Antigen:** Tryptophan Hydroxylase

**Host Organism:** mouse

**Clonality:** monoclonal

**Comments:** Vendor recommendations: ELISA; Immunohistochemistry; Western Blot; Immunohistochemistry, Direct ELISA, Immunoblotting

**Antibody Name:** Mouse Anti-Tryptophan Hydroxylase Monoclonal Antibody, Unconjugated, Clone WH-3

**Description:** This monoclonal targets Tryptophan Hydroxylase

**Target Organism:** monkey, rat, simian, rabbit, human

**Clone ID:** Clone WH-3

**Defining Citation:** PMID:23172177, PMID:19180552, PMID:20127812

**Antibody ID:** AB_261587

**Vendor:** Sigma-Aldrich

**Catalog Number:** T0678

**Record Creation Time:** 20241016T235423+0000

**Record Last Update:** 20241017T012502+0000

## Ratings and Alerts

No rating or validation information has been found for Mouse Anti-Tryptophan Hydroxylase Monoclonal Antibody, Unconjugated, Clone WH-3.

No alerts have been found for Mouse Anti-Tryptophan Hydroxylase Monoclonal Antibody, Unconjugated, Clone WH-3.

## 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 FDI Lab - SciCrunch.org.


Boi L, et al. (2024) Serotonergic and dopaminergic neurons in the dorsal raphe are differentially altered in a mouse model for parkinsonism. eLife, 12.

Pan YD, et al. (2024) Intermittent Hypobaric Hypoxia Ameliorates Autistic-Like Phenotypes in Mice. The Journal of neuroscience : the official journal of the Society for Neuroscience, 44(7).

Gonye EC, et al. (2024) Intrinsic Molecular Proton Sensitivity Underlies GPR4 Effects on Retrotrapezoid Nucleus Neuronal Activation and CO2-Stimulated Breathing. The Journal of neuroscience : the official journal of the Society for Neuroscience, 44(36).

Manis AD, et al. (2023) Repeated seizures lead to progressive ventilatory dysfunction in SSKcnj16-/- rats. Journal of applied physiology (Bethesda, Md. : 1985), 135(4), 872.

Kasper JM, et al. (2022) Role of neuropeptide neuromedin U in the nucleus accumbens shell in cocaine self-administration in male rats. Neuropsychopharmacology : official publication of the American College of Neuropsychopharmacology, 47(11), 1875.

Wang J, et al. (2022) Potassium Channel Conductance Is Involved in Phenylephrine-Induced Spontaneous Firing of Serotonergic Neurons in the Dorsal Raphe Nucleus. Frontiers in cellular neuroscience, 16, 891912.

Glover ME, et al. (2022) Structural and metabolic activity differences in serotonergic cell groups in a rat model of individual differences of emotionality and stress reactivity. Neuroscience letters, 784, 136752.

Fukushima A, et al. (2022) An oxytocinergic neural pathway that stimulates thermogenic and cardiac sympathetic outflow. Cell reports, 40(12), 111380.

Boorman DC, et al. (2021) Morphine-Conditioned Placebo Analgesia in Female and Male Rats with Chronic Neuropathic Pain: c-Fos Expression in the Rostral Ventromedial Medulla. Neuroscience, 457, 51.

Conceição Furber EPS, et al. (2021) Dopaminergic input from the posterior hypothalamus to the raphe pallidus area inhibits brown adipose tissue thermogenesis. American journal of physiology. Regulatory, integrative and comparative physiology, 321(6), R938.

Hung CJ, et al. (2020) Dual orexin and MCH neuron-ablated mice display severe sleep attacks and cataplexy. eLife, 9.

Sakarin S, et al. (2020) The Expression of Proteins Related to Serotonin Pathway in Pulmonary Arteries of Dogs Affected With Pulmonary Hypertension Secondary to Degenerative Mitral Valve Disease. Frontiers in veterinary science, 7, 612130.

Li S, et al. (2019) Conversion of Astrocytes and Fibroblasts into Functional Noradrenergic Neurons. Cell reports, 28(3), 682.

Wang HL, et al. (2019) Dorsal Raphe Dual Serotonin-Glutamate Neurons Drive Reward by Establishing Excitatory Synapses on VTA Mesoaccumbens Dopamine Neurons. Cell reports, 26(5), 1128.

Prouty EW, et al. (2017) Neurochemical differences between target-specific populations of rat dorsal raphe projection neurons. Brain research, 1675, 28.

Broms J, et al. (2015) Conserved expression of the GPR151 receptor in habenular axonal projections of vertebrates. The Journal of comparative neurology, 523(3), 359.

Lee SJ, et al. (2013) Efferent projections of neuropeptide Y-expressing neurons of the dorsomedial hypothalamus in chronic hyperphagic models. The Journal of comparative neurology, 521(8), 1891.

Sevigny CP, et al. (2012) Efferent projections of C3 adrenergic neurons in the rat central nervous system. The Journal of comparative neurology, 520(11), 2352.

Liu Q, et al. (2010) Postnatal changes in tryptophan hydroxylase and serotonin transporter immunoreactivity in multiple brainstem nuclei of the rat: implications for a sensitive period. The Journal of comparative neurology, 518(7), 1082.

Bernedo V, et al. (2009) Beta-amyloid cortical deposits are accompanied by the loss of serotonergic neurons in the dog. The Journal of comparative neurology, 513(4), 417.