

Resource Summary Report

Generated by [ASWG](#) on Aug 23, 2026

5-HT (Serotonin) Transporter Antibody

RRID:AB_572209

Type: Antibody

Proper Citation

ImmunoStar Cat# 24330, RRID:AB_572209

Antibody Information

URL: http://antibodyregistry.org/AB_572209

Proper Citation: ImmunoStar Cat# 24330, RRID:AB_572209

Target Antigen: Rat 5-HT transporter (579-599)

Host Organism: rabbit

Clonality: polyclonal

Comments: Manufacturer Applications: Immunohistochemistry, Immunocytochemistry, Immunofluorescence, Western Blot; Note, The 5-HT Transporter was raised to a synthetic peptide corresponding to amino acids 579-599 of rat 5HT transporter coupled to KLH. The ImmunoStar serotonin (5HT) transporter was quality control tested using standard immunohistochemical methods. The antiserum demonstrates strongly positive labeling of rat raphe nuclei, hypothalamus, cortex and spinal cord using indirect immunofluorescent and biotin/avidin-HRP techniques. Recommended primary dilutions for these methods are 1/800 - 1/1,000 in PBS/0.3% Triton X-100 - Cy3 and 1/10,000 - 1/15,000 in PBS/0.3% Triton X-100 - Biotin/avidin-HRP. By Western blot analysis using rat brain extracts of cortex, hypothalamus, midbrain, and hindbrain, the antibody specifically labels a single band. Immunolabeling is completely abolished by pre-adsorption with synthetic rat 5HT transporter (602-622).; Gene Symbol:

Antibody Name: 5-HT (Serotonin) Transporter Antibody

Description: This polyclonal targets Rat 5-HT transporter (579-599)

Target Organism: rat, marine, mouse, sparrow, human

Defining Citation: [PMID:16300628](#), [PMID:16958085](#), [PMID:18634004](#), [PMID:16624954](#), [PMID:17581849](#), [PMID:19070605](#), [PMID:17804616](#), [PMID:16187217](#), [PMID:17991706](#), [PMID:8783244](#)

Antibody ID: AB_572209

Vendor: ImmunoStar

Catalog Number: 24330

Record Creation Time: 20250819T232723+0000

Record Last Update: 20250820T052358+0000

Ratings and Alerts

No rating or validation information has been found for 5-HT (Serotonin) Transporter Antibody.

No alerts have been found for 5-HT (Serotonin) Transporter Antibody.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 10 mentions in open access literature.

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

Linley SB, et al. (2025) Afferent Projections to the Paratenial Nucleus of the Dorsal Midline Thalamus. The Journal of comparative neurology, 533(9), e70082.

Szebik H, et al. (2025) Dynamic changes of serotonin transporter expression in the prefrontal cortex evoked by aggressive social interactions. Neurobiology of stress, 36, 100722.

Graney PL, et al. (2024) Implications of Developmental 17-OHPC Exposure on the Mesocorticolimbic Serotonergic and Dopaminergic Pathways and Adolescent Mood-Related Behavior in Rats. Developmental psychobiology, 66(6), e22536.

Yano J, et al. (2024) Elevated sleep quota in a stress-resilient Drosophila species. Current biology : CB, 34(11), 2487.

Wang J, et al. (2023) Aberrant serotonergic signaling contributes to the hyperexcitability of CA1 pyramidal neurons in a mouse model of Alzheimer's disease. Cell reports, 42(3), 112152.

Worley A, et al. (2023) Contrasting walking styles map to discrete neural substrates in the mouse brainstem. bioRxiv : the preprint server for biology.

Kitt MM, et al. (2022) An adult-stage transcriptional program for survival of serotonergic connectivity. Cell reports, 39(3), 110711.

Fahrenkopf A, et al. (2021) Developmental exposure to the synthetic progestin, 17 β -hydroxyprogesterone caproate, disrupts the mesocortical serotonin pathway and alters impulsive decision-making in rats. *Developmental neurobiology*, 81(6), 763.

Ekuban FA, et al. (2021) Genetic ablation of Nrf2 exacerbates neurotoxic effects of acrylamide in mice. *Toxicology*, 456, 152785.

Linley SB, et al. (2017) Pattern of distribution of serotonergic fibers to the amygdala and extended amygdala in the rat. *The Journal of comparative neurology*, 525(1), 116.