

Resource Summary Report

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5-HT (Serotonin) Rabbit Antibody

RRID:AB_572263

Type: Antibody

Proper Citation

(ImmunoStar Cat# 20080, RRID:AB_572263)

Antibody Information

URL: http://antibodyregistry.org/AB_572263

Proper Citation: (ImmunoStar Cat# 20080, RRID:AB_572263)

Target Antigen: Serotonin

Host Organism: rabbit

Clonality: polyclonal

Comments: Manufacturer Applications: Immunohistochemistry, Immunocytochemistry, Immunofluorescence, Western Blot; Note, The 5-HT Rabbit Antibody was raised against serotonin coupled to BSA with paraformaldehyde. The ImmunoStar serotonin antiserum was quality control tested using standard immunohistochemical methods. The antiserum demonstrates strongly positive labeling of rat hypothalamus, raphe nuclei and spinal cord using indirect immunofluorescent and biotin/avidin-HRP techniques. Recommended primary dilutions are 1/1,000-1/2,000 in PBS/0.3% Triton X-100 - Cy3 Technique and 1/20,000-1/40,000 in PBS/0.3% Triton X-100 - biotin/avidin-HRP Technique. Staining is completely eliminated by pretreatment of the diluted antibody with 25 ug of serotonin/BSA. Cross reactivity of Serotonin antisera was examined. With 5µg, 10µg and 25µg amounts the following substances did not react with Serotonin antisera diluted 1/20,000 using the Bn-SA/HRP labeling method: 5-hydroxytryptophan, 5-hydroxyindole -3- acetic acid, and dopamine.; Gene Symbol: Spl

Antibody Name: 5-HT (Serotonin) Rabbit Antibody

Description: This polyclonal targets Serotonin

Target Organism: all

Defining Citation: [PMID:26156705](#), [PMID:26178754](#), [PMID:23224769](#), [PMID:19418545](#), [PMID:16998939](#), [PMID:18181152](#), [PMID:19226511](#), [PMID:26244086](#), [PMID:19184976](#), [PMID:26184391](#), [PMID:25986676](#), [PMID:20437523](#), [PMID:16705682](#), [PMID:25904999](#), [PMID:17447252](#), [PMID:19459220](#), [PMID:26395878](#), [PMID:16998905](#), [PMID:26042202](#), [PMID:18831528](#), [PMID:26225120](#), [PMID:18925650](#), [PMID:26426529](#), [PMID:22886450](#), [PMID:17348014](#), [PMID:17048230](#), [PMID:22592945](#), [PMID:17029254](#), [PMID:20853514](#), [PMID:19025991](#), [PMID:22522777](#), [PMID:16917819](#), [PMID:18972553](#)

Antibody ID: AB_572263

Vendor: ImmunoStar

Catalog Number: 20080

Record Creation Time: 20231110T044026+0000

Record Last Update: 20241115T083344+0000

Ratings and Alerts

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

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

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 750 mentions in open access literature.

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

Pagiazitis JG, et al. (2025) Catecholaminergic dysfunction drives postural and locomotor deficits in a mouse model of spinal muscular atrophy. Cell reports, 44(1), 115147.

Singh PNP, et al. (2024) Transcription factor dynamics, oscillation, and functions in human enteroendocrine cell differentiation. Cell stem cell, 31(7), 1038.

Trujillo V, et al. (2024) Neonatal treatment with para-chlorophenylalanine (pCPA) induces adolescent hyperactivity associated with changes in the paraventricular nucleus Crh and Trh expressions. Behavioural brain research, 462, 114867.

Cheong HSJ, et al. (2024) Organization of an ascending circuit that conveys flight motor state in *Drosophila*. *Current biology : CB*, 34(5), 1059.

Bezares Calderón LA, et al. (2024) Mechanism of barotaxis in marine zooplankton. *eLife*, 13.

von Döhren J, et al. (2024) Comparative development of the serotonin- and FMRFamide-immunoreactive components of the nervous system in two distantly related ribbon worm species (*Nemertea*, *Spiralia*). *Frontiers in neuroscience*, 18, 1375208.

Terenina NB, et al. (2024) Serotonergic elements in the nervous system of parasite of acipenserid fishes, *Acrolichanus auriculatus* (Digenea: *Allocreadiidae*). *Micron* (Oxford, England : 1993), 185, 103690.

Salas-Escabillas DJ, et al. (2024) Tuft cells transdifferentiate to neural-like progenitor cells in the progression of pancreatic cancer. *Developmental cell*.

Sun J, et al. (2024) A neurotrophin functioning with a Toll regulates structural plasticity in a dopaminergic circuit. *eLife*, 13.

Kreshchenko ND, et al. (2024) Morphometric analysis and functional insights into the serotonergic system of *Girardia tigrina* (Tricladida, Platyhelminthes). *Journal of morphology*, 285(8), e21756.

Trebels B, et al. (2023) Anatomic and neurochemical analysis of the palpal olfactory system in the red flour beetle *Tribolium castaneum*, HERBST. *Frontiers in cellular neuroscience*, 17, 1097462.

Homberg U, et al. (2023) Comparative morphology of serotonin-immunoreactive neurons innervating the central complex in the brain of dicondylarian insects. *The Journal of comparative neurology*, 531(14), 1482.

Terheyden-Keighley D, et al. (2023) Transneuronal Delivery of Cytokines to Stimulate Mammalian Spinal Cord Regeneration. *Methods in molecular biology* (Clifton, N.J.), 2636, 85.

Delignat-Lavaud B, et al. (2023) Synaptotagmin-1-dependent phasic axonal dopamine release is dispensable for basic motor behaviors in mice. *Nature communications*, 14(1), 4120.

Zheng Y, et al. (2023) Histone methylation mediated by NSD1 is required for the establishment and maintenance of neuronal identities. *Cell reports*, 42(12), 113496.

Ikenaga T, et al. (2023) Diversity and evolution of serotonergic cells in taste buds of elasmobranchs and ancestral actinopterygian fish. *Cell and tissue research*, 394(3), 431.

Kirkeby A, et al. (2023) Preclinical quality, safety, and efficacy of a human embryonic stem cell-derived product for the treatment of Parkinson's disease, STEM-PD. *Cell stem cell*, 30(10), 1299.

Cheong HSJ, et al. (2023) Organization of an Ascending Circuit that Conveys Flight Motor State. *bioRxiv* : the preprint server for biology.

Leibinger M, et al. (2023) Inhibition of microtubule detyrosination by parthenolide facilitates functional CNS axon regeneration. *eLife*, 12.

González-Llera L, et al. (2023) An in vivo drug screen in zebrafish reveals that cyclooxygenase 2-derived prostaglandin D2 promotes spinal cord neurogenesis. *Cell proliferation*, e13594.