

Resource Summary Report

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Substance P Antibody

RRID:AB_572266

Type: Antibody

Proper Citation

ImmunoStar Cat# 20064, RRID:AB_572266

Antibody Information

URL: http://antibodyregistry.org/AB_572266

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Target Antigen: Substance P

Host Organism: rabbit

Clonality: polyclonal

Comments: Manufacturer Applications: Immunohistochemistry, Immunocytochemistry, Immunofluorescence, Western Blot; Note, The Substance P antiserum was quality control tested using standard immunohistochemical methods. The antiserum demonstrates strongly positive labeling of rat substantia nigra and spinal cord using biotin/avidin-HRP techniques. Recommended primary dilutions are 1/500-1/1000 in PBS/0.3% Triton X-100 - Cy3 Fluorochrome and 1/6000-1/8000 in PBS/0.3% Triton X-100 - biotin/avidin-HRP Technique. The specificity of the antiserum for Substance P was demonstrated using soluble pre-adsorption with the peptides in question at a final concentration of 10 µg of peptide per mL of diluted antiserum. Substance P immunolabeling was completely abolished by pre-adsorption with Substance P. Pre-adsorption with the following peptides resulted in no reduction of immunostaining: neurokinin A, neurokinin B, somatostatin and neuropeptide K.; Gene Symbol: Tacr1

Antibody Name: Substance P Antibody

Description: This polyclonal targets Substance P

Target Organism: snail, chicken, monkey, vole, mudpuppy, trout, doves, pig, quail, goldfish, mouse, frog, cat, bird, rabbit, starfish, human, sheep, pigeon, dolphin, ratfish, rat, turtle, hamster, salmon, narwhal, goat, bullfrog, chick, horse, squirrel, gerbil, fish, zebrafish, dog, parrot, equine

Defining Citation: [PMID:16131542](#), [PMID:6187783](#), [PMID:25932952](#), [PMID:16680762](#), [PMID:1553558](#), [PMID:14694537](#), [PMID:10571116](#), [PMID:2482114](#), [PMID:2445435](#), [PMID:11145532](#)

Antibody ID: AB_572266

Vendor: ImmunoStar

Catalog Number: 20064

Record Creation Time: 20250820T001439+0000

Record Last Update: 20250820T074515+0000

Ratings and Alerts

- Human colon Whole Mount technique staining in Myenteric plexus in Soma shows strong immunostaining. Human colon Whole Mount technique staining in Myenteric plexus in Fibers shows strong immunostaining. Data provided by Brookes lab. - Brookes et al. (2022) via SPARC
<https://sparc.science/resources/7Mlidjv3RIVrQ11hpBC8PK>

No alerts have been found for Substance P Antibody.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 32 mentions in open access literature.

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

Muppirala AN, et al. (2026) Tachykinin signaling defines distinct populations of glia in the enteric nervous system. Neuron.

Miyasaka A, et al. (2025) Sequential transitions of male sexual behaviors driven by dual acetylcholine-dopamine dynamics. Neuron, 113(8), 1240.

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.

Mistareehi A, et al. (2023) Topographical distribution and morphology of SP-IR axons in the antrum, pylorus, and duodenum of mice. Autonomic neuroscience : basic & clinical, 246, 103074.

Islam MN, et al. (2023) Immunohistochemical Distribution and Neurochemical Characterization of Huntingtin-Associated Protein 1 Immunoreactive Neurons in the Adult Mouse Lingual Ganglia. *Brain sciences*, 13(2).

Ma J, et al. (2023) Topographical organization and morphology of substance P (SP)-immunoreactive axons in the whole stomach of mice. *The Journal of comparative neurology*, 531(2), 188.

Chen BN, et al. (2023) Types of Neurons in the Human Colonic Myenteric Plexus Identified by Multilayer Immunohistochemical Coding. *Cellular and molecular gastroenterology and hepatology*, 16(4), 573.

Patlin B, et al. (2023) Neuropeptide stimulation of physiological and immunological responses in precision-cut lung slices. *Physiological reports*, 11(22), e15873.

Chow SYA, et al. (2022) Human sensory neurons modulate melanocytes through secretion of RGMB. *Cell reports*, 40(12), 111366.

Hamnett R, et al. (2022) Regional cytoarchitecture of the adult and developing mouse enteric nervous system. *Current biology : CB*, 32(20), 4483.

Smith-Anttila CJA, et al. (2021) Spatiotemporal mapping of sensory and motor innervation of the embryonic and postnatal mouse urinary bladder. *Developmental biology*, 476, 18.

Lopez-Huerta VG, et al. (2021) Striatal bilateral control of skilled forelimb movement. *Cell reports*, 34(3), 108651.

Gerussi T, et al. (2021) The follicle-sinus complex of the bottlenose dolphin (*Tursiops truncatus*). Functional anatomy and possible evolutionary significance of its somato-sensory innervation. *Journal of anatomy*, 238(4), 942.

Deng Y, et al. (2021) Progression of basal ganglia pathology in heterozygous Q175 knock-in Huntington's disease mice. *The Journal of comparative neurology*, 529(7), 1327.

Tarif AMM, et al. (2021) Immunohistochemical expression and neurochemical phenotypes of huntingtin-associated protein 1 in the myenteric plexus of mouse gastrointestinal tract. *Cell and tissue research*, 386(3), 533.

Islam MN, et al. (2020) Expression of huntingtin-associated protein 1 in adult mouse dorsal root ganglia and its neurochemical characterization in reference to sensory neuron subpopulations. *IBRO reports*, 9, 258.

Bertrand MM, et al. (2020) Functional segregation within the pelvic nerve of male rats: a meso- and microscopic analysis. *Journal of anatomy*, 237(4), 757.

Stephenson-Jones M, et al. (2020) Opposing Contributions of GABAergic and Glutamatergic Ventral Pallidal Neurons to Motivational Behaviors. *Neuron*, 105(5), 921.

Heinsbroek JA, et al. (2020) Opposing Regulation of Cocaine Seeking by Glutamate and GABA Neurons in the Ventral Pallidum. *Cell reports*, 30(6), 2018.

Han HM, et al. (2019) Primary sensory neurons expressing tropomyosin receptor kinase A in the rat trigeminal ganglion. *Neuroscience letters*, 690, 56.