

Resource Summary Report

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Neurobiotin (SP-1120)

RRID:AB_2313575

Type: Antibody

Proper Citation

(Vector Laboratories Cat# SP-1120, RRID:AB_2313575)

Antibody Information

URL: http://antibodyregistry.org/AB_2313575

Proper Citation: (Vector Laboratories Cat# SP-1120, RRID:AB_2313575)

Clonality: polyclonal

Comments: Submitted as rid_000092

Biotin derivative with formal weight of 322.8 daltons used for anterograde and retrograde tracing in the nervous system.

Antibody Name: Neurobiotin (SP-1120)

Description: This polyclonal targets

Antibody ID: AB_2313575

Vendor: Vector Laboratories

Catalog Number: SP-1120

Record Creation Time: 20231110T042051+0000

Record Last Update: 20241115T115333+0000

Ratings and Alerts

No rating or validation information has been found for Neurobiotin (SP-1120).

No alerts have been found for Neurobiotin (SP-1120).

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 30 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.

Kimura A, et al. (2024) Cross-modal sensitivities to auditory and visual stimulations in the first-order somatosensory thalamic nucleus. The European journal of neuroscience, 60(7), 5621.

Forro T, et al. (2023) Differential behavior-related activity of distinct hippocampal interneuron types during odor-associated spatial navigation. Neuron, 111(15), 2399.

Balsamo G, et al. (2022) Modular microcircuit organization of the presubicular head-direction map. Cell reports, 39(2), 110684.

Ammer G, et al. (2022) Anatomical distribution and functional roles of electrical synapses in Drosophila. Current biology : CB, 32(9), 2022.

Ding L, et al. (2022) Juxtacellular opto-tagging of hippocampal CA1 neurons in freely moving mice. eLife, 11.

Jalalvand E, et al. (2022) ExSTED microscopy reveals contrasting functions of dopamine and somatostatin CSF-c neurons along the lamprey central canal. eLife, 11.

Viney TJ, et al. (2022) Spread of pathological human Tau from neurons to oligodendrocytes and loss of high-firing pyramidal neurons in aging mice. Cell reports, 41(7), 111646.

Nakamura KC, et al. (2021) Input Zone-Selective Dysrhythmia in Motor Thalamus after Dopamine Depletion. The Journal of neuroscience : the official journal of the Society for Neuroscience, 41(50), 10382.

Schreyer HM, et al. (2021) Nonlinear spatial integration in retinal bipolar cells shapes the encoding of artificial and natural stimuli. Neuron, 109(10), 1692.

Ozdemir AT, et al. (2020) Unexpected Rule-Changes in a Working Memory Task Shape the Firing of Histologically Identified Delay-Tuned Neurons in the Prefrontal Cortex. Cell reports, 30(5), 1613.

El-Quessny M, et al. (2020) Visual Experience Influences Dendritic Orientation but Is Not Required for Asymmetric Wiring of the Retinal Direction Selective Circuit. Cell reports,

31(13), 107844.

Kennedy T, et al. (2020) Genetic background mutations drive neural circuit hyperconnectivity in a fragile X syndrome model. *BMC biology*, 18(1), 94.

Kimura A, et al. (2020) Cross-modal modulation of cell activity by sound in first-order visual thalamic nucleus. *The Journal of comparative neurology*, 528(11), 1917.

Wang CZ, et al. (2019) Early-generated interneurons regulate neuronal circuit formation during early postnatal development. *eLife*, 8.

Clemens AM, et al. (2019) Estrus-Cycle Regulation of Cortical Inhibition. *Current biology : CB*, 29(4), 605.

Caval-Holme F, et al. (2019) Gap Junction Coupling Shapes the Encoding of Light in the Developing Retina. *Current biology : CB*, 29(23), 4024.

Amey-Özel M, et al. (2019) Central connections of the trigeminal motor command system in the weakly electric Elephantnose fish (*Gnathonemus petersii*). *The Journal of comparative neurology*, 527(16), 2703.

Ströh S, et al. (2018) Eliminating Glutamatergic Input onto Horizontal Cells Changes the Dynamic Range and Receptive Field Organization of Mouse Retinal Ganglion Cells. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 38(8), 2015.

Drinnenberg A, et al. (2018) How Diverse Retinal Functions Arise from Feedback at the First Visual Synapse. *Neuron*, 99(1), 117.