

Resource Summary Report

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DBH (Dopamine-beta-Hydroxylase) Antibody

RRID:AB_572229

Type: Antibody

Proper Citation

(ImmunoStar Cat# 22806, RRID:AB_572229)

Antibody Information

URL: http://antibodyregistry.org/AB_572229

Proper Citation: (ImmunoStar Cat# 22806, RRID:AB_572229)

Target Antigen: Bovine DBH

Host Organism: rabbit

Clonality: polyclonal

Comments: Manufacturer Applications: Immunohistochemistry, Immunocytochemistry, Immunofluorescence, Western Blot; Note, The antibody has a proven strong indirect immunofluorescence at 1/400 - 1/800 and 4+ biotin-streptavidin/HRP staining at a 1/2000 - 1/4000 dilution in rat brainstem, cerebellum and adrenal medulla. Using Western blot of purified DBH the antiserum detects a triplet at approximately 72-74 kD.; Gene Symbol: DBH

Antibody Name: DBH (Dopamine-beta-Hydroxylase) Antibody

Description: This polyclonal targets Bovine DBH

Target Organism: hatchettfish, monkey, rat, turtle, hamster, pig, quail, mouse, starling, turkey, bird, cat, sparrow, ferret, human, finch

Defining Citation: [PMID:7521108](#), [PMID:8374807](#), [PMID:7591978](#), [PMID:1407550](#), [PMID:1685897](#), [PMID:1681467](#), [PMID:7688881](#), [PMID:8576694](#), [PMID:1321173](#), [PMID:8097025](#)

Antibody ID: AB_572229

Vendor: ImmunoStar

Catalog Number: 22806

Record Creation Time: 20231110T044026+0000

Record Last Update: 20241114T223442+0000

Ratings and Alerts

No rating or validation information has been found for DBH (Dopamine-beta-Hydroxylase) Antibody.

No alerts have been found for DBH (Dopamine-beta-Hydroxylase) Antibody.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 61 mentions in open access literature.

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

Ghosh S, et al. (2024) Locus coeruleus norepinephrine contributes to visual-spatial attention by selectively enhancing perceptual sensitivity. *Neuron*, 112(13), 2231.

Fan Y, et al. (2023) hPSC-derived sacral neural crest enables rescue in a severe model of Hirschsprung's disease. *Cell stem cell*, 30(3), 264.

Choi M, et al. (2023) FGF21 counteracts alcohol intoxication by activating the noradrenergic nervous system. *Cell metabolism*, 35(3), 429.

Carbo-Tano M, et al. (2023) The mesencephalic locomotor region recruits V2a reticulospinal neurons to drive forward locomotion in larval zebrafish. *Nature neuroscience*, 26(10), 1775.

Bonthuis PJ, et al. (2022) Noncanonical genomic imprinting in the monoamine system determines naturalistic foraging and brain-adrenal axis functions. *Cell reports*, 38(10), 110500.

Horie S, et al. (2021) Structural basis for noradrenergic regulation of neural circuits in the mouse olfactory bulb. *The Journal of comparative neurology*, 529(9), 2189.

Negishi K, et al. (2020) Distributions of hypothalamic neuron populations coexpressing tyrosine hydroxylase and the vesicular GABA transporter in the mouse. *The Journal of*

comparative neurology, 528(11), 1833.

Saito-Diaz K, et al. (2019) Autonomic Neurons with Sympathetic Character Derived From Human Pluripotent Stem Cells. *Current protocols in stem cell biology*, 49(1), e78.

Sengupta A, et al. (2019) A Discrete Dorsal Raphe to Basal Amygdala 5-HT Circuit Calibrates Aversive Memory. *Neuron*, 103(3), 489.

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

Hoffman BU, et al. (2018) Merkel Cells Activate Sensory Neural Pathways through Adrenergic Synapses. *Neuron*, 100(6), 1401.

Johnson CS, et al. (2018) Neurotransmitter diversity in pre-synaptic terminals located in the parvicellular neuroendocrine paraventricular nucleus of the rat and mouse hypothalamus. *The Journal of comparative neurology*, 526(8), 1287.

Perelmuter JT, et al. (2017) Connectivity and ultrastructure of dopaminergic innervation of the inner ear and auditory efferent system of a vocal fish. *The Journal of comparative neurology*, 525(9), 2090.

Lovett-Barron M, et al. (2017) Ancestral Circuits for the Coordinated Modulation of Brain State. *Cell*, 171(6), 1411.

Leitermann RJ, et al. (2016) Neuropeptide Y input to the rat basolateral amygdala complex and modulation by conditioned fear. *The Journal of comparative neurology*, 524(12), 2418.

Bethea CL, et al. (2014) Hypothalamic KISS1 expression, gonadotrophin-releasing hormone and neurotransmitter innervation vary with stress and sensitivity in macaques. *Journal of neuroendocrinology*, 26(5), 267.

Tsuneoka Y, et al. (2013) Functional, anatomical, and neurochemical differentiation of medial preoptic area subregions in relation to maternal behavior in the mouse. *The Journal of comparative neurology*, 521(7), 1633.

Brosnahan AJ, et al. (2013) Norepinephrine potentiates proinflammatory responses of human vaginal epithelial cells. *Journal of neuroimmunology*, 259(1-2), 8.

He G, et al. (2012) Arrhythmogenic effect of sympathetic histamine in mouse hearts subjected to acute ischemia. *Molecular medicine (Cambridge, Mass.)*, 18(1), 1.

Pawlisch BA, et al. (2012) Behavioral indices of breeding readiness in female European starlings correlate with immunolabeling for catecholamine markers in brain areas involved in sexual motivation. *General and comparative endocrinology*, 179(3), 359.