Resource Summary Report

Generated by FDI Lab - SciCrunch.org on May 19, 2025

Mouse/Rat Neuropilin-1 Antibody

RRID:AB_355445 Type: Antibody

Proper Citation

(R and D Systems Cat# AF566, RRID:AB_355445)

Antibody Information

URL: http://antibodyregistry.org/AB_355445

Proper Citation: (R and D Systems Cat# AF566, RRID:AB_355445)

Target Antigen: Neuropilin-1

Host Organism: Goat

Clonality: polyclonal

Comments: Applications: Western Blot, Flow Cytometry, Immunohistochemistry, Blockade of Receptor-ligand Interaction, CyTOF-ready

Antibody Name: Mouse/Rat Neuropilin-1 Antibody

Description: This polyclonal targets Neuropilin-1

Target Organism: Rat, Mouse

Defining Citation: PMID:18041777, PMID:22473424

Antibody ID: AB_355445

Vendor: R and D Systems

Catalog Number: AF566

Alternative Catalog Numbers: AF566-SP

Record Creation Time: 20241017T001841+0000

Ratings and Alerts

No rating or validation information has been found for Mouse/Rat Neuropilin-1 Antibody.

No alerts have been found for Mouse/Rat Neuropilin-1 Antibody.

Data and Source Information

Source: Antibody Registry

Usage and Citation Metrics

We found 18 mentions in open access literature.

Listed below are recent publications. The full list is available at FDI Lab - SciCrunch.org.

Benwell CJ, et al. (2024) A proteomics approach to isolating neuropilin-dependent ?5 integrin trafficking pathways: neuropilin 1 and 2 co-traffic ?5 integrin through endosomal p120RasGAP to promote polarised fibronectin fibrillogenesis in endothelial cells. Communications biology, 7(1), 629.

Sauve F, et al. (2023) Long-COVID cognitive impairments and reproductive hormone deficits in men may stem from GnRH neuronal death. EBioMedicine, 96, 104784.

Fukuda N, et al. (2023) Axonal mRNA binding of hnRNP A/B is crucial for axon targeting and maturation of olfactory sensory neurons. Cell reports, 42(5), 112398.

Altounian M, et al. (2023) Neuronal miR-17-5p contributes to interhemispheric cortical connectivity defects induced by prenatal alcohol exposure. Cell reports, 42(9), 113020.

Rossignol J, et al. (2022) Neuropilin-1 cooperates with PD-1 in CD8+ T cells predicting outcomes in melanoma patients treated with anti-PD1. iScience, 25(6), 104353.

Martins LF, et al. (2022) Motor neurons use push-pull signals to direct vascular remodeling critical for their connectivity. Neuron, 110(24), 4090.

Shen M, et al. (2022) Semaphorin 3E promote Schwann cell proliferation and migration. Experimental cell research, 412(2), 113019.

Limoni G, et al. (2021) PlexinA4-Semaphorin3A-mediated crosstalk between main cortical interneuron classes is required for superficial interneuron lamination. Cell reports, 34(4), 108644.

Dani N, et al. (2021) A cellular and spatial map of the choroid plexus across brain ventricles

and ages. Cell, 184(11), 3056.

Boulan B, et al. (2021) CRMP4-mediated fornix development involves Semaphorin-3E signaling pathway. eLife, 10.

Apóstolo N, et al. (2020) Synapse type-specific proteomic dissection identifies IgSF8 as a hippocampal CA3 microcircuit organizer. Nature communications, 11(1), 5171.

Scott MK, et al. (2019) Expression of class III Semaphorins and their receptors in the developing chicken (Gallus gallus) inner ear. The Journal of comparative neurology, 527(7), 1196.

Luck R, et al. (2019) VEGF/VEGFR2 signaling regulates hippocampal axon branching during development. eLife, 8.

Mire E, et al. (2018) Developmental Upregulation of Ephrin-B1 Silences Sema3C/Neuropilin-1 Signaling during Post-crossing Navigation of Corpus Callosum Axons. Current biology : CB, 28(11), 1768.

Sano N, et al. (2017) Enhanced Axonal Extension of Subcortical Projection Neurons Isolated from Murine Embryonic Cortex using Neuropilin-1. Frontiers in cellular neuroscience, 11, 123.

Murai A, et al. (2016) Distorted Coarse Axon Targeting and Reduced Dendrite Connectivity Underlie Dysosmia after Olfactory Axon Injury. eNeuro, 3(5).

Huang CY, et al. (2012) Coexpression of high-voltage-activated ion channels Kv3.4 and Cav1.2 in pioneer axons during pathfinding in the developing rat forebrain. The Journal of comparative neurology, 520(16), 3650.

Hernández-Montiel HL, et al. (2008) Semaphorins 3A, 3C, and 3F in mesencephalic dopaminergic axon pathfinding. The Journal of comparative neurology, 506(3), 387.