

Resource Summary Report

Generated by [NIF](#) on Jul 30, 2026

Human/Mouse/Rat TrkB Antibody

RRID:AB_2155264

Type: Antibody

Proper Citation

R and D Systems Cat# AF1494, RRID:AB_2155264

Antibody Information

URL: http://antibodyregistry.org/AB_2155264

Proper Citation: R and D Systems Cat# AF1494, RRID:AB_2155264

Target Antigen: TrkB

Host Organism: Goat

Clonality: polyclonal

Comments: Applications: Western Blot, Simple Western, Immunohistochemistry, Blockade of Receptor-ligand Interaction

Antibody Name: Human/Mouse/Rat TrkB Antibody

Description: This polyclonal targets TrkB

Target Organism: Human, Rat, Mouse

Defining Citation: [PMID:18752272](#), [PMID:21681751](#)

Antibody ID: AB_2155264

Vendor: R and D Systems

Catalog Number: AF1494

Alternative Catalog Numbers: AF1494-SP

Record Creation Time: 20250819T210919+0000

Record Last Update: 20250819T220204+0000

Ratings and Alerts

No rating or validation information has been found for Human/Mouse/Rat TrkB Antibody.

No alerts have been found for Human/Mouse/Rat TrkB Antibody.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 45 mentions in open access literature.

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

Koui Y, et al. (2025) Local keratinocyte-nociceptor interactions enhance obesity-mediated painful small fiber neuropathy via NGF-TrkA-PI3K signaling axis. *iScience*, 28(3), 112047.

Magalhães J, et al. (2025) Rac1 inhibition prevents axonal cytoskeleton dysfunction in transthyretin amyloid polyneuropathy. *Cell reports*, 44(10), 116411.

Fernandez A, et al. (2025) Altered Primary Somatosensory Neuron Development in a Pten Heterozygous Model for Autism Spectrum Disorder. *Autism research : official journal of the International Society for Autism Research*, 18(11), 2192.

Kong CSL, et al. (2025) Truncated NTRK2 is induced in CAP1 endothelial cells during mouse lung injury-repair. *iScience*, 28(7), 112973.

Niethamer TK, et al. (2025) Longitudinal single-cell profiles of lung regeneration after viral infection reveal persistent injury-associated cell states. *Cell stem cell*, 32(2), 302.

Jang K, et al. (2025) TrkB Agonist (7,8-DHF)-Induced Responses in Dorsal Root Ganglia Neurons Are Decreased after Spinal Cord Injury: Implication for Peripheral Pain Mechanisms. *eNeuro*, 12(1).

Dalby A, et al. (2025) A triple serine motif in the intracellular domain of SorCS2 impacts its cellular signaling. *iScience*, 28(6), 112695.

Lowenstein ED, et al. (2024) Molecular Characterization of Nodose Ganglia Development Reveals a Novel Population of Phox2b+ Glial Progenitors in Mice. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 44(28).

Gupta R, et al. (2024) Atypical cellular responses mediated by intracellular constitutive active TrkB (NTRK2) kinase domains and a solely intracellular NTRK2-fusion oncogene. *Cancer gene therapy*, 31(9), 1357.

Lu T, et al. (2024) Decoding transcriptional identity in developing human sensory neurons and organoid modeling. *Cell*, 187(26), 7374.

Alitalo O, et al. (2024) Nitrous oxide induces hypothermia and TrkB activation: Maintenance of body temperature abolishes antidepressant-like effects in mice.

Neuropharmacology, 261, 110172.

Koyanagi M, et al. (2024) Development of a 3-dimensional organotypic model with characteristics of peripheral sensory nerves. *Cell reports methods*, 4(8), 100835.

Lao-Peregrin C, et al. (2024) Synaptic plasticity via receptor tyrosine kinase/G-protein-coupled receptor crosstalk. *Cell reports*, 43(1), 113595.

Vermeiren S, et al. (2023) Prdm12 represses the expression of the visceral neuron determinants Phox2a/b in developing somatosensory ganglia. *iScience*, 26(12), 108364.

Andreska T, et al. (2023) DRD1 signaling modulates TrkB turnover and BDNF sensitivity in direct pathway striatal medium spiny neurons. *Cell reports*, 42(6), 112575.

Lüningschrör P, et al. (2023) Calnexin controls TrkB cell surface transport and ER-phagy in mouse cerebral cortex development. *Developmental cell*, 58(18), 1733.

Hennlein L, et al. (2023) Plastin 3 rescues cell surface translocation and activation of TrkB in spinal muscular atrophy. *The Journal of cell biology*, 222(3).

Fernandez A, et al. (2023) Intrinsic control of DRG sensory neuron diversification by Pten. *bioRxiv* : the preprint server for biology.

Flamier A, et al. (2023) Human iPS cell-derived sensory neurons can be infected by SARS-CoV-2. *iScience*, 26(9), 107690.

Alitalo O, et al. (2023) Linking Hypothermia and Altered Metabolism with TrkB Activation. *ACS chemical neuroscience*, 14(17), 3212.