

# Resource Summary Report

Generated by [NIF](#) on Aug 25, 2026

## Human/Mouse/Rat TrkB Antibody

RRID:AB\_2155264

Type: Antibody

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### Proper Citation

R and D Systems Cat# AF1494, RRID:AB\_2155264

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### Antibody Information

**URL:** [http://antibodyregistry.org/AB\\_2155264](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

**Antibody ID:** AB\_2155264

**Vendor:** R and D Systems

**Catalog Number:** AF1494

**Alternative Catalog Numbers:** AF1494-SP

**Record Creation Time:** 20250819T220955+0000

**Record Last Update:** 20250820T011923+0000

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### 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.

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## Data and Source Information

**Source:** [Antibody Registry](#)

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## Usage and Citation Metrics

We found 47 mentions in open access literature.

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

Blackburn E, et al. (2026) Impaired BDNF-TrkB trafficking and signalling in Down syndrome basal forebrain neurons. *Cell death & disease*, 17(1), 214.

Sangster KT, et al. (2026) Teneurin-3 and latrophilin-2 are required for somatotopic map development and somatosensory topognosis. *Current biology : CB*, 36(10), 2637.

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

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.

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.

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

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).

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.

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.

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

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).

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