

Resource Summary Report

Generated by [RRID](#) on Jul 31, 2026

Phospho-TrkA (Tyr674/675)/TrkB (Tyr706/707) (C50F3) Rabbit mAb

RRID:AB_916186

Type: Antibody

Proper Citation

Cell Signaling Technology Cat# 4621, RRID:AB_916186

Antibody Information

URL: http://antibodyregistry.org/AB_916186

Proper Citation: Cell Signaling Technology Cat# 4621, RRID:AB_916186

Target Antigen: Phospho-TrkA (Tyr674/675)/TrkB (Tyr706/707) (C50F3) Rabbit mAb

Host Organism: rabbit

Clonality: monoclonal

Comments: Applications: W, IP. Consolidation on 10/2018: AB_10234893, AB_10235586, AB_916186.

Antibody Name: Phospho-TrkA (Tyr674/675)/TrkB (Tyr706/707) (C50F3) Rabbit mAb

Description: This monoclonal targets Phospho-TrkA (Tyr674/675)/TrkB (Tyr706/707) (C50F3) Rabbit mAb

Target Organism: rat, h, m, mouse, r, human

Antibody ID: AB_916186

Vendor: Cell Signaling Technology

Catalog Number: 4621

Record Creation Time: 20250819T210628+0000

Record Last Update: 20250819T215213+0000

Ratings and Alerts

No rating or validation information has been found for Phospho-TrkA (Tyr674/675)/TrkB (Tyr706/707) (C50F3) Rabbit mAb.

No alerts have been found for Phospho-TrkA (Tyr674/675)/TrkB (Tyr706/707) (C50F3) Rabbit mAb.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 12 mentions in open access literature.

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

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.

Fazzari M, et al. (2024) GM1 Oligosaccharide Ameliorates Rett Syndrome Phenotypes In Vitro and In Vivo via Trk Receptor Activation. *International journal of molecular sciences*, 25(21).

Zhu ZA, et al. (2023) CDKL5 deficiency in adult glutamatergic neurons alters synaptic activity and causes spontaneous seizures via TrkB signaling. *Cell reports*, 42(10), 113202.

Sequeira MK, et al. (2023) Cocaine and habit training cause dendritic spine rearrangement in the prelimbic cortex. *iScience*, 26(4), 106240.

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).

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.

Rauskolb S, et al. (2022) Insulin-like growth factor 5 associates with human Aβ plaques and promotes cognitive impairment. *Acta neuropathologica communications*, 10(1), 68.

Jeong YH, et al. (2022) Neuroprotective and Anti-Neuroinflammatory Properties of Vigna Radiatae Semen in Neuronal HT22 and Microglial BV2 Cell Lines. *Nutrients*, 14(24).

Kot EF, et al. (2022) Intrinsically disordered regions couple the ligand binding and kinase activation of Trk neurotrophin receptors. *iScience*, 25(6), 104348.

O'Donohue TJ, et al. (2021) Translational Strategies for Repotrectinib in Neuroblastoma. *Molecular cancer therapeutics*, 20(11), 2189.

Banh RS, et al. (2020) Neurons Release Serine to Support mRNA Translation in Pancreatic Cancer. *Cell*, 183(5), 1202.