| e at -20C | TrkC (C44H5) Rabbit mAb | T C | Cell Signaling | |
|-----------|-------------------------|----------------------------|--|--|
| Store | | Orders: | 877-616-CELL (2355) orders@cellsignal.com | |
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| # | | 3 Trask Lane Danvers M | lassachusetts 01923 USA | |

For Research Use Only. Not for Use in Diagnostic Procedures.

| | tivity: Sensitivity: M R Endogenous | MW (kDa): 145, 100 | Source/Isotype: Rabbit IgG | UniProt ID: #Q16288 | Entrez-Gene Id: 4916 |
|------------------------------|---|---|--|---|---|
| Product Usage Information | Application Western Blotting Immunoprecipitation Immunohistochemistry Immunofluorescence (I | . , | nistry) | | Dilution 1:1000 1:50 1:1000 1:1600 |
| Storage | Supplied in 10 mM sodiu 0.02% sodium azide. St | | | | erol and less than |
| Specificity / Sensitivity | TrkC (C44H5) Rabbit m, react with TrkA or TrkB. | Ab detects endo | genous levels of total Tr | <c antibo<="" protein.="" th="" the=""><th>ody does not cross-</th></c> | ody does not cross- |
| Source / Purification | Monoclonal antibody is human TrkC. | produced by imn | nunizing animals with a s | synthetic peptide surr | ounding Gly50 of |
| Background | The family of Trk receptu family members is highly BDNF or NT4, and TrkC physiological processes growth and patterning (1 plasticity. TrkA regulates system (2). Phosphoryla kinase cascade (3,4). Re sites reflects TrkA kinase (chimeras) cause ligand in many malignancies in suggest that expression growth arrest and differe The phosphorylation site TrkC, and Tyr674/675 of demonstrated altered Tr increased expression as | y conserved, the by NT3 (1). Net , such as cell su). In the adult ne proliferation and ation at Tyr490 is esidues Tyr674/0 e activity (3-6). F -independent re- independent re- independent re- independent re- independent re- conf TrkA in neuror entiation of cells es are conserved f TrkA to Tyr709/ kC expression a | y are activated by differe urotrophin signaling throu rvival, proliferation, neur ervous system, the Trk ro d is important for develo required for Shc associ 575 lie within the catalyti Point mutations, deletions ceptor dimerization and ovarian, prostate, and the oblastomas may be a goo originating from the neur d between TrkA and TrkC 710 in TrkC of the huma and corresponding gene | ent neurotrophins: Trk ugh these receptors r al development, and eceptors regulate syn oment and maturation ation and activation o c domain, and phosp s, and chromosomal r activation of TrkA (7-1 yroid carcinomas (8-1 od prognostic marker ral crest (10). C: Tyr490 of TrkA corr n sequence (14). Res mutations in various f | A by NGF, TrkB by egulates a number of axon and dendrite aptic strength and of the nervous f the Ras-MAP horylation at these rearrangements L0). TrkA is activated .3). Research studies as TrkA signals esponds to Tyr516 in search studies have orms of cancer, with |
| Background References | Huang, E.J. and Reicl Segal, R.A. and Gree Stephens, R.M. et al. Marsh, H.N. et al. (20) Obermeier, A. et al. (10) Obermeier, A. et al. (11) Arevalo, J.C. et al. (20) Greco, A. et al. (1997) Pierotti, M.A. and Gree Lagadec, C. et al. (20) Ødegaard, E. et al. (21) Wang, E.J. and Reicl Segal, R.A. et al. (1997) | nberg, M.E. (199 (1994) Neuron 1 03) J Cell Biol 10 993) EMBO J 1 994) EMBO J 1 2001) Oncogene 2 2000) Mol Cell B 0 Genes Chromo co, A. (2006) Ca 09) Oncogene 2 0 Mol Cell Endoo 007) Hum Patho hardt, L.F. (2003 | b) Annu Rev Neurosci 1 12, 691-705. 63, 999-1010. 2, 933-41. 3, 1585-90. 20, 1229-34. viol 20, 8655-66. psomes Cancer 19, 112- ancer Lett 232, 90-8. 18, 1960-70. virinol 321, 44-9. ol 38, 140-6. c) Annu Rev Biochem 72 | .9, 463-89. 23. , 609-42. | |

| 1/1/24, 3:44 PM | TrkC (C44H5) Rabbit mAb (#3376) Datasheet Without Images Cell Signaling Technology | | | | |
|---------------------------|--|--|--|--|--|
| Species Reactivity | Species reactivity is determined by testing in at least one approved application (e.g., western blot). | | | | |
| Western Blot Buffer | IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v BSA, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight. | | | | |
| Applications Key | WB: Western Blotting IP: Immunoprecipitation IHC-P: Immunohistochemistry (Paraffin) IF-IC: Immunofluorescence (Immunocytochemistry) | | | | |
| Cross-Reactivity Key | H: human M: mouse R: rat Hm: hamster Mk: monkey Vir: virus Mi: mink C: chicken Dm: D. melanogaster X: Xenopus Z: zebrafish B: bovine Dg: dog Pg: pig Sc: S. cerevisiae Ce: C. elegans Hr: horse GP: Guinea Pig Rab: rabbit All: all species expected | | | | |
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