| e at -20C | TrkA (12G8) Rabbit mAb | (12G8) Rabbit mAb | |
|-----------|------------------------|----------------------|--|
| Store at | | Orders: | 877-616-CELL (2355) orders@cellsignal.com |
| 0 | | Support: | 877-678-TECH (8324) |
| :2510 | | Web: | info@cellsignal.com cellsignal.com |
| # | | 3 Trask Lane Danvers | Massachusetts 01923 USA |

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

| Applications: WB, IHC-P | Reactivity: H | Sensitivity: Endogenous | MW (kDa): 140 | Source/Isotype: Rabbit IgG | UniProt ID: #P04629 | Entrez-Gene Id: 4914 | |
|---|---|---|---|--|---|--|--|
| Product Usage Information Storage | W Im | | IM HEPES (pH 7 | 7.5), 150 mM NaCl, 100 not aliquot the antibody | 1: 1: μg/ml BSA, 50% glyce | vilution :1000 :400 erol and less than | |
| Specificity / Sensitivity | | For a carrier free (BSA and azide free) version of this product see product #86180. TrkA (12G8) Rabbit mAb detects endogenous levels of total TrkA protein. This antibody does not cross- react with TrkB. | | | | | |
| Source / Purification | | Monoclonal antibody is produced by immunizing animals with a synthetic peptide surrounding Arg220 of human TrkA. | | | | | |
| Background | fan BD phy gro pla sys kin site (ch in r sug | nily members is highly NF or NT4, and TrkC ysiological processes, with and patterning (1 sticity. TrkA regulates stem (2). Phosphorylai ase cascade (3,4). Re es reflects TrkA kinase imeras) cause ligand- nany malignancies ino ggest that expression | conserved, the by NT3 (1). Neu- such as cell sur). In the adult ne- proliferation and tion at Tyr490 is esidues Tyr674/6 activity (3-6). P independent rec cluding breast, co of TrkA in neuro | es consists of TrkA, TrkI y are activated by differe irotrophin signaling thro vival, proliferation, neur ervous system, the Trk r d is important for develo required for Shc associ 675 lie within the catalyti oint mutations, deletion ceptor dimerization and vvarian, prostate, and th blastomas may be a go originating from the neu | ent neurotrophins: Trk4 ugh these receptors re al development, and a eceptors regulate syna pment and maturation ation and activation of ic domain, and phosph s, and chromosomal re activation of TrkA (7-10 yroid carcinomas (8-13 od prognostic marker a | A by NGF, TrkB by egulates a number of exon and dendrite aptic strength and of the nervous the Ras-MAP norylation at these earrangements 0). TrkA is activated 3). Research studies | |
| Background Refer | 2. \$ 3. \$ 4. M 5. C 6. C 7. A 8. F 9. C 10. F 11. L 12. C | Segal, R.A. and Greer Stephens, R.M. et al. (Marsh, H.N. et al. (200 Dbermeier, A. et al. (19 Dbermeier, A. et al. (19 Arevalo, J.C. et al. (20 Reuther, G.W. et al. (20 | berg, M.E. (199 (1994) Neuron 1 (1994) Neuron 1 (1993) EMBO J 12 (1994) EMBO J 12 (1994) EMBO J 13 (1994) EMBO J 13 (1994) Oncogene 2 (1996) Call Endoc (1990) Oncogene 2 (1990) Mol Cell Endoc | 53, 999-1010. 2, 933-41. 3, 1585-90. 20, 1229-34. <i>iol</i> 20, 8655-66. <i>somes Cancer</i> 19, 112- <i>ncer Lett</i> 232, 90-8. 8, 1960-70. <i>rinol</i> 321, 44-9. | 19, 463-89. | | |
| Species Reactivity | Spe | cies reactivity is deter | mined by testing | g in at least one approve | ed application (e.g., we | estern blot). | |
| Western Blot Buffe | | 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 IHC-P: Immunohistochemistry (Paraffin) | | | | | |

| 1/1/24, 6:24 AM Cross-Reactivity Key | TrkA (12G8) Rabbit mAb (#2510) Datasheet Without Images Cell Signaling Technology 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 |
|---|---|
| Trademarks and Patents | Cell Signaling Technology is a trademark of Cell Signaling Technology, Inc. SignalStain is a registered trademark of Cell Signaling Technology, Inc. XP is a registered trademark of Cell Signaling Technology, Inc. All other trademarks are the property of their respective owners. Visit cellsignal.com/trademarks for more information. |
| Limited Uses | Except as otherwise expressly agreed in a writing signed by a legally authorized representative of CST, the following terms apply to Products provided by CST, its affiliates or its distributors. Any Customer's terms and conditions that are in addition to, or different from, those contained herein, unless separately accepted in writing by a legally authorized representative of CST, are rejected and are of no force or effect. |
| | Products are labeled with For Research Use Only or a similar labeling statement and have not been approved, cleared, or licensed by the FDA or other regulatory foreign or domestic entity, for any purpose. Customer shall not use any Product for any diagnostic or therapeutic purpose, or otherwise in any manner that conflicts with its labeling statement. Products sold or licensed by CST are provided for Customer as the end-user and solely for research and development uses. Any use of Product for diagnostic, prophylactic or therapeutic purposes, or any purchase of Product for resale (alone or as a component) or other commercial purpose, requires a separate license from CST. Customer shall (a) not sell, license, loan, donate or otherwise transfer or make available any Product to any third party, whether alone or in combination with other materials, or use the Products to manufacture any commercial products, (b) not copy, modify, reverse engineer, decompile, disassemble or otherwise attempt to discover the underlying structure or technology of the Products, or use the Products for the purpose of developing any products or services that would compete with CST product or services, (c) not alter or remove from the Products any trademarks, trade names, logos, patent or copyright notices or markings, (d) use the Products solely in accordance with CST Product Terms of Sale and any applicable documentation, and (e) comply with any license, terms of service or similar agreement with respect to any third party products or services used by Customer in connection with the Products. |