

# Anti-TrkC Reference Antibody (Genentech patent anti-TrkC)

Catalog # APR11432

## Product Information

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|--------------------------|----------------------------------------------------------------|
| <b>Application</b>       | Functional assay, Kinetics (SPR), Kinetics (BLI), FACS, E, FTA |
| <b>Primary Accession</b> | <a href="#">Q16288</a>                                         |
| <b>Reactivity</b>        | Human                                                          |
| <b>Clonality</b>         | Monoclonal                                                     |
| <b>Isotype</b>           | IgG2SA                                                         |
| <b>Calculated MW</b>     | 94428                                                          |

## Additional Information

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|---------------------------|--------------|
| <b>Target/Specificity</b> | TrkC / NTRK3 |
| <b>Expression system</b>  | CHO          |

## Protein Information

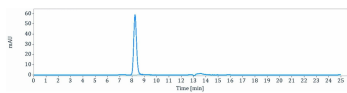
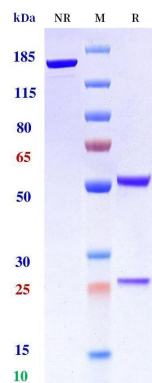
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|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Name</b>              | NTRK3                                                                                                                                                                                                                                                                                                                           |
| <b>Synonyms</b>          | TRKC                                                                                                                                                                                                                                                                                                                            |
| <b>Function</b>          | Receptor tyrosine kinase involved in nervous system and probably heart development. Upon binding of its ligand NTF3/neurotrophin-3, NTRK3 autophosphorylates and activates different signaling pathways, including the phosphatidylinositol 3-kinase/AKT and the MAPK pathways, that control cell survival and differentiation. |
| <b>Cellular Location</b> | Membrane; Single-pass type I membrane protein.                                                                                                                                                                                                                                                                                  |
| <b>Tissue Location</b>   | Widely expressed but mainly in nervous tissue. Isoform 2 is expressed at higher levels in adult brain than in fetal brain                                                                                                                                                                                                       |

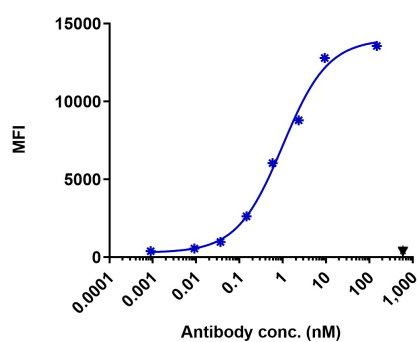
## Images

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Anti-TrkC Reference Antibody (Genentech patent anti-TrkC) on SDS-PAGE under reducing (R) condition. The purity of the protein is greater than 95%.



The purity of Anti-TrkC Reference Antibody (Genentech patent anti-TrkC) is 100%, determined by SEC-HPLC.



PLVX-puro-TrkC-FL cell line were stained with Genentech patent anti-TrkC and negative control protein respectively, washed and then followed by PE and analyzed with FACS, with the EC50 is 0.996 nM.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.