

Anti-Trk B Antibody

Our Anti-Trk B rabbit polyclonal primary antibody from PhosphoSolutions is produced in-house. It det
Catalog # AN1587

Specification

Anti-Trk B Antibody - Product Information

| | |
|-------------------|------------------------|
| Primary Accession | Q63604 |
| Reactivity | Bovine |
| Host | Rabbit |
| Clonality | Polyclonal |
| Isotype | IgG |
| Calculated MW | 92186 |

Anti-Trk B Antibody - Additional Information

Gene ID **25054**

Other Names

AI848316 antibody, BDNF tropomyosine receptor kinase B antibody, BDNF/NT 3 growth factors receptor antibody, BDNF/NT-3 growth factors receptor antibody, Brain derived neurotrophic factor receptor antibody, C030027L06Rik antibody, EC 2.7.10.1 antibody, GP145 TrkB antibody, GP145-TrkB antibody, GP145-TrkB/GP95-TrkB antibody, GP95 TrkB antibody, Neurotrophic receptor tyrosine kinase 2 antibody, Neurotrophic tyrosine kinase receptor type 2 antibody, Neurotrophin receptor tyrosine kinase type 2 antibody, NTRK 2 antibody, Ntrk2 antibody, NTRK2_HUMAN antibody, Obesity hyperphagia and developmental delay included antibody, RATTRKB1 antibody, Trkrb antibody, Trk B antibody, Trk-B antibody, TRKB antibody, TrkB tyrosine kinase antibody, TRKB1 antibody, Tropomyosin related kinase B antibody, tyrosine kinase receptor B antibody, Tyrosine receptor kinase B antibody

Target/Specificity

Tropomyosin-receptor-kinase (TRK) receptors are members of the receptor tyrosine kinase family and include TrkA, TrkB and TrkC. Each of these receptor types has different binding affinities to the neurotrophins nerve growth factor (NGF), brain-derived neurotrophic factor (BDNF) and neurotrophin 3 (NT-3). TrkB has the highest affinity to binding BDNF which plays critical roles in the function and survival of neurons in the CNS (Soppet et al., 1991; Klein et al., 1991). Additionally, alterations in expression of TrkB have been associated with Alzheimer's disease (Ferrer et al., 1999; Chen et al., 2008).

Format

Affinity Purified

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

Anti-Trk B Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Shipping

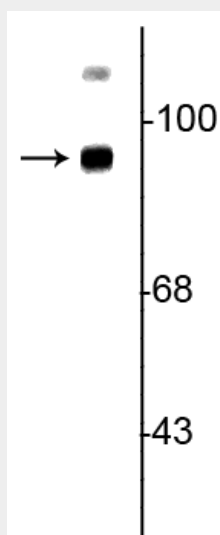
Blue Ice

Anti-Trk B Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-Trk B Antibody - Images



Western blot of rat synaptic plasma membrane (SPM) lysate showing the specific immunolabeling of the ~93 kDa TrkB protein.

Anti-Trk B Antibody - Background

Tropomyosin-receptor-kinase (TRK) receptors are members of the receptor tyrosine kinase family and include TrkA, TrkB and TrkC. Each of these receptor types has different binding affinities to the neurotrophins nerve growth factor (NGF), brain-derived neurotrophic factor (BDNF) and neurotrophin 3 (NT-3). TrkB has the highest affinity to binding BDNF which plays critical roles in the function and survival of neurons in the CNS (Soppet et al., 1991; Klein et al., 1991). Additionally, alterations in expression of TrkB have been associated with Alzheimer's disease (Ferrer et al., 1999; Chen et al., 2008).