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Anti-Trk B Antibody

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

Catalog # AN1587

Product Information

Application	WB
Primary Accession	Q63604
Reactivity	Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	92186

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, Tkrb 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).
Dilution	WB~~1:1000
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

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).