

## TrkB Polyclonal Antibody

<b>CATALOG #:</b>	3593-30T	30 µg (Trial size)
	3593-100	100 µg
<b>HOST:</b>	Rabbit	
<b>IMMUNOGEN:</b>	Synthetic peptide surrounding amino acid 810 of human TrkB	
<b>INTERNAL ID:</b>	BV-370	
<b>SPECIES REACTIVITY:</b>	Human, Mouse, Rat, Chick	

### FORMULATION:

0.5 mg/ml immunoaffinity purified rabbit polyclonal antibody in phosphate-buffered saline (PBS) containing 30% glycerol, 0.5% BSA, 5 mM EDTA and 0.03% proclin.

### STORAGE CONDITIONS:

Store at -20°C. For long term storage, aliquot and freeze at -70°C. Avoid repeated freeze/thaw cycles.

### BACKGROUND:

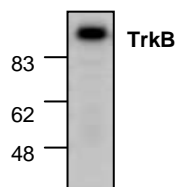
Due to the various splice variants, the *trk* proteins exist as variably glycosylated entities with the major forms having molecular weights of 140-145 kDa, 110 kDa and the unglycosylated form of 80 kDa. *trkB* contains 33.3% carbohydrate by weight representing modification on 10 of 12 N-glycosylation sites. The primary ligand for *trkB* is BDNF which induces the phosphorylation of the protein and subsequent binding of PLC-gamma via SH2 domains. TrkB may function to modulate neuronal responses to the neurotrophins acting through *trkB* such as BDNF.

### SPECIFICITY:

Trk protein exists as variably glycosylated entities with the major forms having molecular weights of 140 kDa, 110 kDa, and the unglycosylated form of 80 kDa.

### APPLICATION:

The antibody can be used in Western blotting (0.5-4 µg/ml). Based on researchers feedback, it also works well in immunofluorescence (5-10 µg/ml). However, the optimal concentrations should be determined individually.



**Cat.# 3593-100**  
Western Blot Analysis  
of *trkB* expression in  
HL-60 Cell Lysate.

**FOR RESEARCH USE ONLY! Not to be used on humans.**

### RELATED PRODUCTS:

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- Apoptosis Inducers and Set
- Apoptosis siRNA Vectors

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- Nuclear/Cytosol Fractionation Kit
- Membrane Protein Extraction Kit
- Cytosol/Particulate Rapid Separation Kit
- Mammalian Cell Extraction Kit
- FractionPREP Fractionation System

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- Senescence Detection Kit
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- Bioluminescence Cytotoxicity Assay Kit
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