

## TrkA Polyclonal Antibody

Catalog: BS65642      Host: Rabbit      Reactivity: Hu-  
man, Mouse, Rat, Pig, Cow, Horse, Sheep,

### Background:

The Trk family of nerve growth factor receptors includes Trk A (also referred to as Trk A gp140), Trk B and Trk C. The prototype member of this gene family, Trk A, encodes a 140 kDa cell surface receptor, gp140, the expression of which is restricted in vivo to neurons of the sensory spinal and cranial ganglia of neurocrest origin. Nerve growth factor (NGF) stimulates tyrosine phosphorylation of Trk gp 140 in neural cell lines and in embryonic dorsal root ganglia. By comparison, BDNF and to a lesser extent, NT-3, but not NGF, can induce tyrosine phosphorylation of Trk B gp 145. The third member of the Trk receptor family, Trk C encodes a 140 kDa protein, Trk C gp140, that is preferentially expressed in brain tissue and primarily functions as a receptor for NT-3. An additional component of the Trk receptor complex, NGFR p175, binds to neurotrophic factors with low affinity but is required for efficient signaling. NGFR p175 accelerates Trk activation and may recruit downstream effector molecules to the ligand-bound receptor complex.

### Product:

0.01M TBS (pH 7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.

### Molecular Weight:

130 kD

### Swiss-Prot:

P04629

### Purification & Purity:

affinity purified by Protein A

### Applications:

WB=1:500-2000

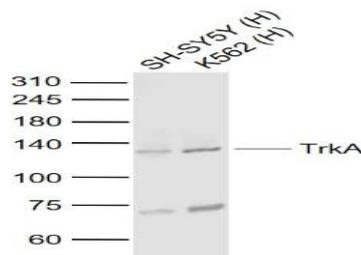
### Storage & Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

### Specificity:

TrkA Polyclonal Antibody detects endogenous levels of TrkA protein.

### DATA:



Sample:

Lane 1: SH-SY5Y (Human) Cell Lysate at 30 ug

Lane 2: K562 (Human) Cell Lysate at 30 ug

Primary: Anti-TrkA at 1/1000 dilution

### Note:

For research use only, not for use in diagnostic procedure.

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