

**bs-3456R****[ Primary Antibody ]****Bioss**  
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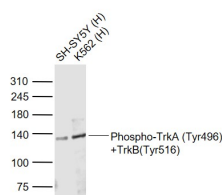
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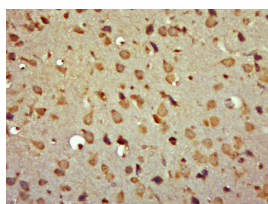
400-901-9800

**phospho-TrkA (Tyr496) +TrkB(Tyr516) Rabbit pAb****— DATASHEET —****Host:** Rabbit**Isotype:** IgG**Clonality:** Polyclonal**GeneID:** 4914**SWISS:** P04629**Target:** TrkA (Tyr496) +TrkB(Tyr516)**Immunogen:** KLH conjugated Synthesised phosphopeptide derived from human TrkA around the phosphorylation site of Tyr496: PQ(p-Y)F.**Purification:** affinity purified by Protein A**Concentration:** 1mg/ml**Storage:** 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

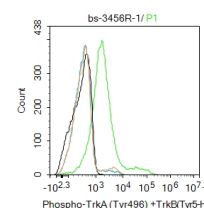
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

**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 gp140 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 gp145. 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.**Applications:** WB (1:500-2000)**IHC-P** (1:100-500)**IHC-F** (1:100-500)**IF** (1:100-500)**Flow-Cyt** (1ug/Test)**Reactivity:** Human, Mouse  
(predicted: Rat)**Predicted MW.:** 90 kDa**Subcellular Location:** Cell membrane ,Cytoplasm**— VALIDATION IMAGES —**

Sample: Lane 1: SH-SY5Y (Human) Cell Lysate at 30 ug  
Lane 2: K562 (Human) Cell Lysate at 30 ug  
Primary: Anti-Phospho-TrkA (Tyr496) +TrkB(Tyr516) (bs-3456R) at 1/1000 dilution  
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution  
Predicted band size: 130 kD  
Observed band size: 130 kD



Paraformaldehyde-fixed, paraffin embedded (Mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Phospho-TrkA(Tyr496) +TrkB(Tyr516)) Polyclonal Antibody, Unconjugated (bs-3456R) at 1:500 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.



Blank control: K562. Primary Antibody (green line): Rabbit Anti-Phospho-TrkA (Tyr496)+TrkB(Tyr516)antibody (bs-3456R)  
Dilution: 1ug/Test; Secondary Antibody : Goat anti-rabbit IgG-FITC Dilution: 0.5ug/Test.  
Protocol The cells were incubated in 5%BSA to block non-specific protein-protein interactions for 30 min at room temperature. Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.