

bs-0192R**[Primary Antibody]****Trk A + B + C Rabbit pAb****Bioss**
ANTIBODIES

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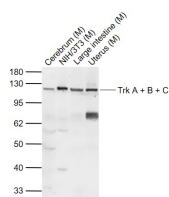
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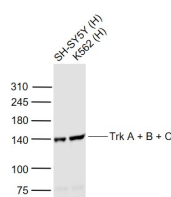
400-901-9800

— DATASHEET —

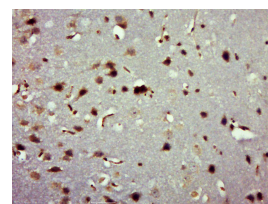
Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000)
Clonality: Polyclonal		IHC-P (1:100-500)
GeneID: 4914	SWISS: P04629	IHC-F (1:100-500)
Target: Trk A + B + C		IF (1:100-500)
Immunogen: KLH conjugated synthetic peptide derived from human Trk A: 668-750/821.		Reactivity: Human, Mouse, Rat (predicted: Chicken)
Purification: affinity purified by Protein A		
Concentration: 1mg/ml		Predicted MW.: 90 kDa
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.		Subcellular Location: Cell membrane ,Cytoplasm
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 gangliaof 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 phophorylayion of Trk B gp 145. The third member of the Trk receptor family, Trk C incodes 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 dffector molecules to the ligand-bound receptor complex.		

— VALIDATION IMAGES —

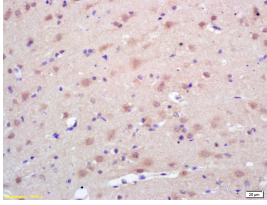
Sample: Lane 1: Cerebrum (Mouse) Lysate at 40 ug
 Lane 2: NIH/3T3 (Mouse) Cell Lysate at 30 ug
 Lane 3: Large intestine (Mouse) Lysate at 40 ug
 Lane 4: Uterus (Mouse) Lysate at 40 ug
 Primary: Anti-Trk A + B + C (bs-0192R) at 1/1000 dilution
 Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
 Predicted band size: 140/110 kD
 Observed band size: 120 kD



Sample: Lane 1: SH-SY5Y (Human) Cell Lysate at 30 ug
 Lane 2: K562 (Human) Cell Lysate at 30 ug
 Primary: Anti-Trk A + B + C (bs-0192R) 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 (Trk A + B + C) Polyclonal Antibody, Unconjugated (bs-0192R) at 1:500 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.



Tissue/cell: rat brain tissue; 4%
Paraformaldehyde-fixed and paraffin-
embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Incubation: Anti-Trk A/B/C Polyclonal Antibody, Unconjugated(bs-0192R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining