

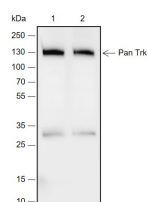
bsm-52715R**[Primary Antibody]****BioSS**
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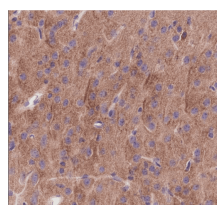
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Trk A + B + C Recombinant Rabbit mAb**— DATASHEET —****Host:** Rabbit**Isotype:** IgG**Clonality:** Recombinant**CloneNo.:** 5T6**GeneID:** 4914**SWISS:** P04629**Target:** Trk A + B + C**Purification:** affinity purified by Protein A**Concentration:** 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 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.**Applications:** **WB** (1:500-2000)
IHC-P (1:100-500)
IHC-F (1:100-500)
IF (1:100-500)**Reactivity:** Mouse, Rat**Predicted MW.:** 90 kDa**Subcellular Location:** Cell membrane ,Cytoplasm**— VALIDATION IMAGES —**

Sealing solution and concentration: 5%
 NFDM/TBST Dilution of primary antibody: 1:2000
 Incubation conditions for primary antibody: 2 hours at room temperature
 Secondary antibody: Goat Anti Rabbit IgG H&L (HRP)
 Cracking solution: 1: Mouse brain, 2: Rat brain
 Protein loading amount: 20 µg
 Exposure time: 60 seconds
 Theoretical molecular weight: 92 kDa
 Actual molecular weight: 120-140 kDa



Paraformaldehyde-fixed, paraffin embedded
 Mouse Cerebrum; Antigen retrieval by boiling in
 EDTA buffer (pH9.0) for 15 min; Antibody
 incubation with Trk A + B + C Monoclonal
 Antibody, Unconjugated (bsm-52715R) at 1:100
 overnight at 4°C, followed by conjugation to the
 SP Kit (Rabbit, SP-0023) and DAB (C-0010)
 staining.