

bsm-52213R**[Primary Antibody]****BioSS**
ANTIBODIES

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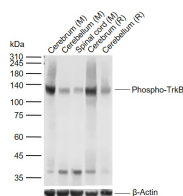
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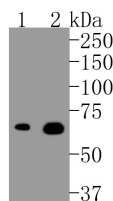
400-901-9800

Phospho-TrkB (Tyr817) Recombinant Rabbit mAb**— DATASHEET —**

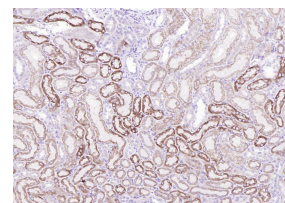
Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000) IHC-P (1:50-200) IHC-F (1:50-200) IF (1:50-200) ICC/IF (1:50-200)
Clonality: Recombinant	CloneNo.: 2A1	
GeneID: 4915	SWISS: Q16620	
Target: Phospho-TrkB (Tyr817)		
Immunogen: KLH conjugated Synthesised phosphopeptide derived from human NTRK2 around the phosphorylation site of Tyr817: PV(p-Y)LD.		
Purification: affinity purified by Protein A		Reactivity: Human, Mouse, Rat
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.		Predicted MW.: 90 kDa
Background: This gene encodes a member of the neurotrophic tyrosine receptor kinase (NTRK) family. This kinase is a membrane-bound receptor that, upon neurotrophin binding, phosphorylates itself and members of the MAPK pathway. Signalling through this kinase leads to cell differentiation. Mutations in this gene have been associated with obesity and mood disorders. Alternate transcriptional splice variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008].		Subcellular Location: Cell membrane ,Cytoplasm

— VALIDATION IMAGES —

Sample: Lane 1: Mouse Cerebrum tissue lysates
Lane 2: Mouse Cerebellum tissue lysates Lane 3:
Mouse Spinal cord tissue lysates Lane 4: Rat
Cerebrum tissue lysates Lane 5: Rat Cerebellum
tissue lysates Primary: Anti-Phospho-TrkB
(Tyr817) (bsm-52213R) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at
1/20000 dilution Predicted band size: 90 kDa
Observed band size: 115 kDa



Sample: Lane 1: HeLa cell lysate Lane 2: Jurkat
cell lysate Primary: Anti-Phospho-TrkB (Tyr817)
(bsm-52213R) at 1:500 dilution Secondary: Goat
Anti-Rabbit IgG - HRP at 1:5000 dilution
Predicted band size: 90 kD Observed band size:
70 kD



Paraformaldehyde-fixed, paraffin embedded
(mouse kidney); Antigen retrieval by
microwaving in EDTA buffer (pH8.0) for 5min;
Block endogenous peroxidase by 3% hydrogen
peroxide for 20 minutes; Blocking buffer (normal
goat serum) at 37°C for 30min; Antibody
incubation with (Phospho-TrkB (Tyr817))
Monoclonal Antibody, Unconjugated
(bsm-52213R) at 1:200 overnight at 4°C, followed
by operating according to SP Kit(Rabbit)
(sp-0023) instructions and DAB staining.

— SELECTED CITATIONS —

- **[IF=6.8]** Fei Hao. et al. Maternal exposure to deltamethrin during pregnancy and lactation impairs neurodevelopment of male offspring. ECOTOX ENVIRON SAFE. 2024 Apr;274:116196 WB ;Rat. 38461575
- **[IF=5.6]** Jianyu Pang. et al. Application of Novel Transcription Factor Machine Learning Model and Targeted Drug Combination Therapy Strategy in Triple Negative Breast Cancer. INT J MOL SCI. 2023 Jan;24(17):13497 WB ;Human. 10.3390/ijms241713497
- **[IF=4.2]** Xie Jiangang. et al. Exertional heat stroke-induced changes in gut microbiota cause cognitive impairment in mice. BMC MICROBIOL. 2024 Dec;24(1):1-13 WB ;Mouse. 38654189

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

- **[IF=2.7]** Linxiao Wang. et al. Lactobacillus rhamnosus GG improves cognitive impairments in mice with sepsis. PEERJ. 2024 May;12:e17427 WB ;Mouse. 38827289