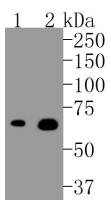
www.bioss.com.cn
sales@bioss.com.cn
techsupport@bioss.com.cn
400-901-9800

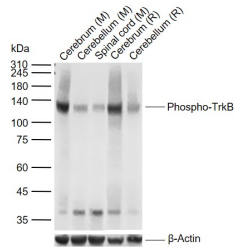
Phospho-TrkB (Tyr817) Recombinant Rabbit mAb

Catalog Number:	bsm-52213R
Target Protein:	Phospho-TrkB (Tyr817)
Concentration:	1mg/ml
Form:	Liquid
Host:	Rabbit
Clonality:	Recombinant
Clone No.:	2A1
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)
Reactivity:	Human, Mouse, Rat
Predicted MW:	90 kDa
Entrez Gene:	4915
Swiss Prot:	Q16620
Source:	KLH conjugated Synthesised phosphopeptide derived from human NTRK2 around the phosphorylation site of Tyr817: PV(p-Y)LD.
Purification:	affinity purified by Protein A
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:	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].

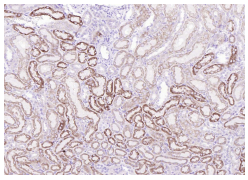
VALIDATION IMAGES



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



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



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) instructionsand DAB staining.

PRODUCT SPECIFIC PUBLICATIONS

[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

[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