

bs-3732R**[Primary Antibody]****phospho-TrkB (Tyr817) Rabbit pAb****BioSS**
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— DATASHEET —

Host: Rabbit Clonality: Polyclonal GeneID: 4915 Target: 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 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: 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].	Isotype: IgG SWISS: Q16620	Applications: IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) ELISA (1:5000-10000) Reactivity: Mouse, Rat (predicted: Human) Predicted MW.: 90 kDa Subcellular Location: Cell membrane ,Cytoplasm
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— SELECTED CITATIONS —

- **[IF=5.54]** Ullrich, M., et al. "OCD-like behavior is caused by dysfunction of thalamo-amygdala circuits and upregulated TrkB/ERK-MAPK signaling as a result of SPRED2 deficiency." Molecular Psychiatry (2017). WB ;="Mouse". 28070119
- **[IF=4.087]** Tong Chen. et al. The effect of geniposide on chronic unpredictable mild stress - induced depressive mice through BTK/TLR4/NF - κB and BDNF/TrkB signaling pathways. Phytother Res. 2021 Feb;35(2):932-945 WB ;Mouse. 33164233
- **[IF=3.04]** Fu H et al. The antidepressant effects of hesperidin on chronic unpredictable mild stress-induced mice. Eur J Pharmacol. 2019 Jun 15;853:236-246. WB ;Mouse&Rat. 30928632