

bs-5525R**[Primary Antibody]**

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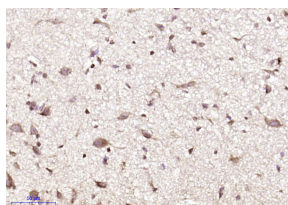
sales@bioss.com.cn

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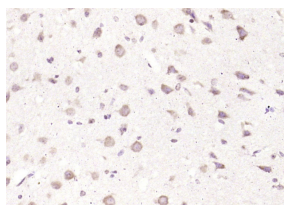
400-901-9800

phospho-TrkB (Tyr515) Rabbit pAb**— DATASHEET —**

Host: Rabbit	Isotype: IgG	Applications: IHC-P (1:100-500)
Clonality: Polyclonal		IHC-F (1:100-500)
GeneID: 25054	SWISS: Q63604	IF (1:100-500)
Target: TrkB (Tyr515)		Reactivity: Mouse, Rat (predicted: Human, Rabbit, Pig, Chicken, Dog, Horse)
Immunogen: KLH conjugated Synthesised phosphopeptide derived from rat NTRK2 around the phosphorylation site of Tyr515: PQ(p-Y)FG.		Predicted MW.: 92 kDa
Purification: affinity purified by Protein A		Subcellular Location: Cell membrane ,Cytoplasm
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].		

— VALIDATION IMAGES —

araformaldehyde-fixed, paraffin embedded (mouse cerebellum); 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 (phospho-TrkB (Tyr515)) Polyclonal Antibody, Unconjugated (bs-5525R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



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 (phospho-TrkB (Tyr515)) Polyclonal Antibody, Unconjugated (bs-5525R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

— SELECTED CITATIONS —

- **[IF=16.744]** Haoyuan Li. et al. Engineering brain-derived neurotrophic factor mRNA delivery for the treatment of Alzheimer's disease. CHEM ENG J. 2023 Jun;466:143152 ICC,IHC ;Mouse,Human. 10.1016/j.cej.2023.143152
- **[IF=5.151]** Li Q et al. Cerebrosides from Sea Cucumber Improved Aβ1 - 42 Induced Cognitive Deficiency in a Rat Model of Alzheimer's Disease.(2018) Mol Nutr Food Res. WB ;Rat. 30512229