

bs-11167R**[Primary Antibody]****VGLUT1/BNP1 Rabbit pAb****Bioss**
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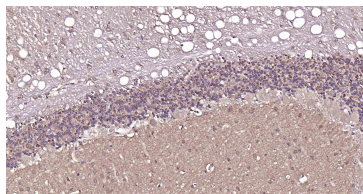
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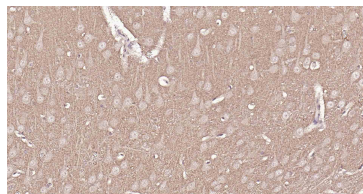
400-901-9800

— DATASHEET —

Host: Rabbit Clonality: Polyclonal GeneID: 57030 Target: VGLUT1/BNP1 Immunogen: KLH conjugated synthetic peptide derived from human VGLUT1/BNP1: 301-400/560. 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 protein encoded by this gene is a vesicle-bound, sodium-dependent phosphate transporter that is specifically expressed in the neuron-rich regions of the brain. It is preferentially associated with the membranes of synaptic vesicles and functions in glutamate transport. The protein shares 82% identity with the differentiation-associated Na-dependent inorganic phosphate cotransporter and they appear to form a distinct class within the Na ⁺ /Pi cotransporter family. [provided by RefSeq, Jul 2008]	Isotype: IgG SWISS: Q9P2U7 Applications: WB (1:500-1000) IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) Reactivity: Mouse, Rat (predicted: Human) Predicted MW.: 62 kDa Subcellular Location: Cell membrane ,Cytoplasm
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— VALIDATION IMAGES —

Paraformaldehyde-fixed, paraffin embedded Rat Cerebellum; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with VGLUT1/BNP1 Polyclonal Antibody, Unconjugated (bs-11167R) at 1:100 overnight at 4°C, followed by conjugation to the SP Kit (Rabbit, SP-0023) and DAB (C-0010) staining.



Paraformaldehyde-fixed, paraffin embedded Rat Cerebrum; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with VGLUT1/BNP1 Polyclonal Antibody, Unconjugated (bs-11167R) at 1:100 overnight at 4°C, followed by conjugation to the SP Kit (Rabbit, SP-0023) and DAB (C-0010) staining.

— SELECTED CITATIONS —

- **[IF=9.995]** Qian Fang. et al. YTHDF1 phase separation triggers the fate transition of spermatogonial stem cells by activating the IκB-NF-κB-CCND1 axis. CELL REP. 2023 Apr 14;42(4):112403 IF ;Mouse. 37060562
- **[IF=4]** Xiaoting Meng. et al. Electrical stimulation induced structural 3D human engineered neural tissue with well-developed neuronal network and functional connectivity. J NEURAL ENG. 2023 Jul; ICC ;Human. 37433290
- **[IF=2.11]** Fujita, Yu, et al. "Expression of MEGF10 in cholinergic and glutamatergic neurons." Neuroscience Letters (2017). IHC ;="Mouse". 28526325
- **[IF=1.931]** Wan, Dong-Feng. et al. Late Exercise Preconditioning Regulates BNP Increasing to Assist the Cardioprotection via Up-Regulation of NPR-A and Down-Regulation of NPR-C in Rat Myocardium. Int J Pept Res Ther. 2022 Jan;28(1):1-11 WB,IHC ;Rat. 10.1007/s10989-021-10323-8

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

- **[IF=0]** Canhong Wang. et al. Agarwood essential oil inhalation exerts antianxiety and antidepressant effects via the regulation of Glu/GABA system homeostasis. BIOMED REP. 2023 Feb;18(2):1-11 WB ;Mouse. 36776581