
VGLUT1/BNP1 Rabbit pAb

Catalog Number: bs-11167R

Target Protein: VGLUT1/BNP1

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

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: Cell membrane ,Cytoplasm

Locations:

Entrez Gene: 57030

Swiss Prot: Q9P2U7

Source: KLH conjugated synthetic peptide derived from human VGLUT1/BNP1: 301-400/560.

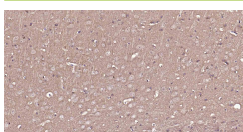
Purification: affinity purified by Protein A

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

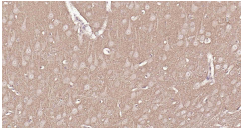
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: 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]

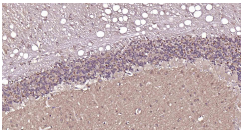
VALIDATION IMAGES



Paraformaldehyde-fixed, paraffin embedded Mouse 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.



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.



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.

PRODUCT SPECIFIC PUBLICATIONS

[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

[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