## bs-1000R

- DATASHEET -

# [ Primary Antibody ]

# **CNPase Rabbit pAb**



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

Applications: WB (1:500-2000) IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500)

Reactivity: Mouse, Rat (predicted: Human, Rabbit, Cow, Dog, Horse)

Predicted MW.: 48 kDa

Subcellular Location: Cytoplasm

Host: Rabbit Clonality: Polyclonal

GenelD: 1267

Target: CNPase

Immunogen: KLH conjugated synthetic peptide derived from human CNPase: 151-250/421.

Isotype: IgG

SWISS: P09543

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:** Predicted to enable 2',3'-cyclic-nucleotide 3'-phosphodiesterase activity. Involved in substantia nigra development. Located in several cellular components, including extracellular space; microtubule; and plasma membrane. Implicated in hypomyelinating leukodystrophy 20; multiple sclerosis; and schizophrenia. Biomarker of alcoholic liver cirrhosis; multiple sclerosis; and restless legs syndrome. [provided by Alliance of Genome Resources, Nov 2021]

### - VALIDATION IMAGES



Sample: Cerebrum (Mouse) Lysate at 40 ug Primary: Anti-CNPase(bs-1000R) at 1/300 dilution Secondary: HRP conjugated Goat-Antirabbit IgG (bs-0295G-HRP) at 1/5000 dilution Predicted band size: 48 kD Observed band size: 46 kD



Sample: Brain (Mouse) Lysate at 40 ug Primary: Anti-CNPase (bs-1000R) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 48kD Observed band size: 48kD



Paraformaldehyde-fixed, paraffin embedded (Rat 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 (CNPase) Polyclonal Antibody, Unconjugated (bs-1000R) at 1:400 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.



Tissue/cell: rat brain tissue; 4% Paraformaldehyde-fixed and paraffinembedded; Antigen retrieval: citrate buffer ( 0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min; Incubation:

### - SELECTED CITATIONS -

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- [IF=7] Yueqi Yang. et al. DHA and EPA Alleviate Epileptic Depression in PTZ-Treated Young Mice Model by Inhibiting Neuroinflammation through Regulating Microglial M2 Polarization and Improving Mitochondrial Metabolism. ANTIOXIDANTS-BASEL. 2023 Dec;12(12):2079 WB ;Mouse. 38136199
- [IF=2.889] Bin Liu. et al. Nicotinamide Improves Cognitive Function in Mice With Chronic Cerebral Hypoperfusion. Front Neurol. 2021; 12: 596641 WB,IHC ;Mouse. 33569040
- [IF=2.882] Gul Fatma Yarim. et al. Nobiletin attenuates inflammation via modulating proinflammatory and antiinflammatory cytokine expressions in an autoimmune encephalomyelitis mouse model. Fitoterapia. 2022 Jan;156:105099 IHC ;Rat. 34896483
- [IF=3.3] Gu Jingyang. et al. Combined enriched environment and fluoxetine enhance myelin protein expression in the prefrontal cortex of a chronic unpredictable stress depression model. BEHAV BRAIN FUNCT. 2025 Dec;21(1):1-11 IHC ;Rat. 40500721