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## CNPase Rabbit pAb

Catalog Number: bs-1000R

Target Protein: CNPase

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

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

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

Predicted MW: 48 kDa

Subcellular Cytoplasm

Locations:

Entrez Gene: 1267

Swiss Prot: P09543

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

Purification: affinity purified by Protein A

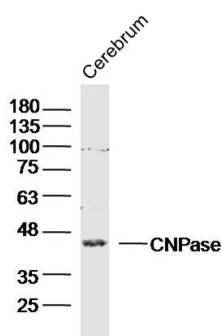
Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

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

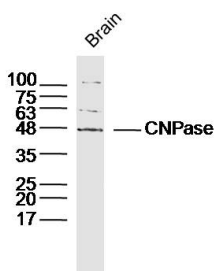
**Background:** Predicted to enable 2',3'-cyclic-nucleotide 3'-phosphodiesterase activity. Involved in substantia nigra development. Located in several cellular components, including extracellular space; microtubule; and plasma membrane. Implicated in hypomyelinating leukodystrophy 20; multiple sclerosis;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

### VALIDATION IMAGES

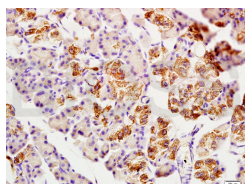
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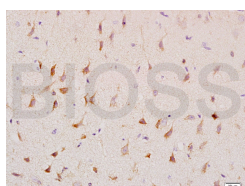
Sample: Cerebrum (Mouse) Lysate at 40 ug Primary: Anti-CNPase(bs-1000R) at 1/300 dilution Secondary: HRP conjugated Goat-Anti-rabbit IgG (bs-0295G-HRP) at 1/5000 dilution Predicted band size: 48 kD Observed band size: 46 kD



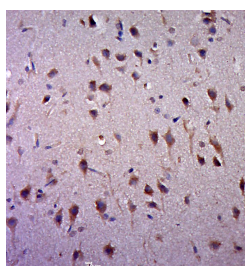
Sample: Brain (Mouse) Lysate at 40 ug Primary: Anti-CNPase (bs-1000R) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 48kD Observed band size: 48kD



Tissue/cell: rat pancreas tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; 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: Anti-CNP/CNPase Polyclonal Antibody, Unconjugated(bs-1000R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Tissue/cell: rat brain tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; 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: Anti-CNP/CNPase Polyclonal Antibody, Unconjugated(bs-1000R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



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.

## PRODUCT SPECIFIC PUBLICATIONS

[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=2.43] Li, Ping, et al. "CNP signal pathway up-regulated in rectum of depressed rats and the interventional effect of Xiaoyaosan." World

