bsm-60368M

[Primary Antibody] **CNPase Recombinant Mouse mAb**

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DATASHEET

Host: Mouse Isotype: IgG1, Kappa CloneNo.: 7A2

Clonality: Recombinant **GenelD: 1267 SWISS:** P09543

Target: CNPase

Purification: affinity purified by Protein G

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]

Applications: WB (1:500-5000)

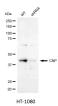
IHC-P (1:100-500) IHC-F (1:100-500) **IF** (1:100-500) ICC/IF (1:50-200)

Reactivity: Human, Rat

Predicted MW.: 48 kDa

Subcellular Location: Cytoplasm

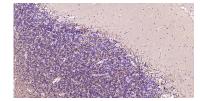
VALIDATION IMAGES



25 ug total protein per lane of various lysates (see on figure) probed with CNPase monoclonal antibody, unconjugated (bsm-60368M) at 1:5000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.



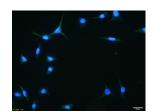
Sample: Lane 1: Rat Cerebrum tissue lysates Lane 2: Rat Cerebellum tissue lysates Primary: Anti-CNPase (bsm-60368M) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Mouse IgG at 1/20000 dilution Predicted band size: 48 kDa Observed band size: 46 kDa



Paraformaldehyde-fixed, paraffin embedded Human Cerebellum; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with CNPase Monoclonal Antibody, Unconjugated(bsm-60368M) at 1:200 overnight at 4°C, followed by conjugation to the bs-40296G-HRP and DAB (C-0010) staining.



Paraformaldehyde-fixed, paraffin embedded Human Cerebrum; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with CNPase Monoclonal Antibody, Unconjugated(bsm-60368M) at 1:200 overnight at 4°C, followed by conjugation to the bs-40296G-HRP and DAB (C-0010) staining.



SHSY5Y cell: 4% Paraformaldehyde-fixed: Triton X-100 at room temperature for 20 min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Antibody incubation with (CNPase) polyclonal Antibody, Unconjugated (bsm-60368M) 1:100, 90 minutes at 37°C; followed by a conjugated Goat Anti-Mouse IgG antibody at 37°C for 90 minutes, DAPI (blue, C02-04002) was used to stain the cell nuclei.