

For Research Use Only

# CNPase Monoclonal antibody, PBS Only



Catalog Number: 66729-1-PBS

Featured Product

## Basic Information

Catalog Number:

66729-1-PBS

Size:

1mg/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG4227

GenBank Accession Number:

BC028040

GeneID (NCBI):

1267

UNIPROT ID:

P09543

Full Name:

2',3'-cyclic nucleotide 3' phosphodiesterase

Calculated MW:

421 aa, 48 kDa

Observed MW:

45-48 kDa

Purification Method:

Protein A purification

CloneNo.:

1B9G9

## Applications

Tested Applications:

ELISA, IF-P, WB

Species Specificity:

pig, rat, mouse, human

## Background Information

CNP(2',3'-cyclic-nucleotide 3'-phosphodiesterase) belongs to the cyclic nucleotide phosphodiesterase family. It plays an essential role in axonal survival but not in myelin assembly, coupling oligodendroglial functions in axonal support and myelination. This protein has 2 isoforms produced by alternative splicing with molecular mass of 45 and 48 kDa.

## Storage

Storage:

Store at -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS Only

For technical support and original validation data for this product please contact:

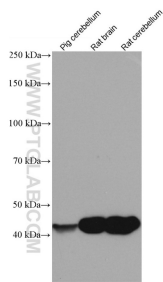
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

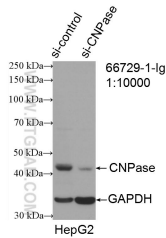
W: [ptgcn.com](http://ptgcn.com)

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

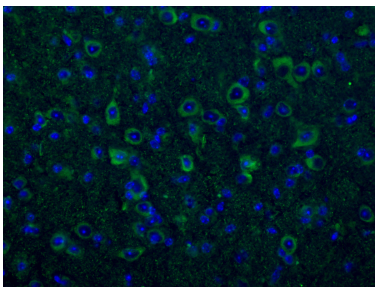
Selected Validation Data



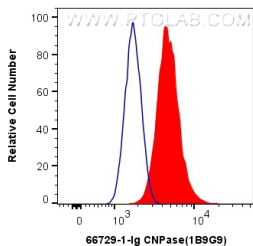
Various lysates were subjected to SDS PAGE followed by western blot with 66729-1-Ig (CNPase antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66729-1-PBS in a different storage buffer formulation.



WB result of CNPase antibody (66729-1-Ig; 1:10000; incubated at room temperature for 1.5 hours) with sh-Control and sh-CNPase transfected HepG2 cells. This data was developed using the same antibody clone with 66729-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed mouse brain tissue using 66729-1-Ig (CNPase antibody), at dilution of 1:200 and CoraLite® 488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L). This data was developed using the same antibody clone with 66729-1-PBS in a different storage buffer formulation.



1X10<sup>6</sup> HepG2 cells were intracellularly stained with 0.5 ug Anti-Human CNPase (66729-1-Ig, Clone:1B9G9) and CoraLite® 488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) at dilution 1:1000 (red), or 0.5 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C). This data was developed using the same antibody clone with 66729-1-PBS in a different storage buffer formulation.