

**CNP / CNPase Antibody**  
**Rabbit Polyclonal Antibody**  
**Catalog # ALS13256****Specification**

---

**CNP / CNPase Antibody - Product Information**

Application	<b>WB, IHC</b>
Primary Accession	<a href="#">P09543</a>
Reactivity	<b>Human</b>
Host	<b>Rabbit</b>
Clonality	<b>Polyclonal</b>
Calculated MW	<b>48kDa KDa</b>

**CNP / CNPase Antibody - Additional Information****Gene ID** 1267**Other Names**

2', 3'-cyclic-nucleotide 3'-phosphodiesterase, CNP, CNPase, 3.1.4.37, CNP

**Target/Specificity**

Human CNP. Predicted cross-reactivity based on amino acid sequence homology: mouse (82%), rat (84%), bovine (89%), monkey (97%).

**Reconstitution & Storage**

Aliquot and store at -20°C. Minimize freezing and thawing.

**Precautions**

CNP / CNPase Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**CNP / CNPase Antibody - Protein Information****Name** CNP ([HGNC:2158](#))**Function**

Catalyzes the formation of 2'-nucleotide products from 2',3'- cyclic substrates (By similarity). May participate in RNA metabolism in the myelinating cell, CNP is the third most abundant protein in central nervous system myelin (By similarity).

**Cellular Location**

Membrane {ECO:0000250|UniProtKB:P16330}; Lipid- anchor {ECO:0000250|UniProtKB:P16330}. Melanosome. Note=Firmly bound to membrane structures of brain white matter. {ECO:0000250|UniProtKB:P16330}

**Volume**

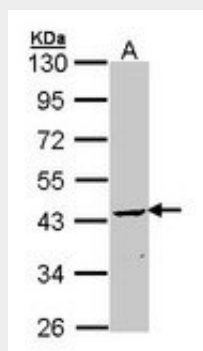
50 µl

## CNP / CNPase Antibody - Protocols

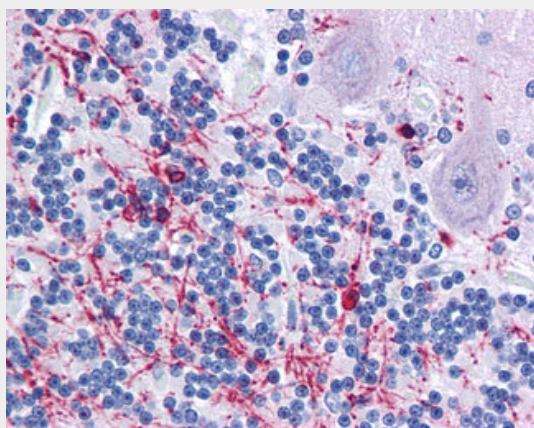
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

## CNP / CNPase Antibody - Images



Sample (30 ug of whole cell lysate). A: Molt-4. 10% SDS PAGE. CNP antibody diluted at 1:1000.



Anti-CNP antibody IHC of human brain, cerebellum.

## CNP / CNPase Antibody - Background

May participate in RNA metabolism in the myelinating cell, CNP is the third most abundant protein in central nervous system myelin.

## CNP / CNPase Antibody - References

Thompson R.J., et al. *Biochem. Soc. Trans.* 20:621-626(1992).  
Kurihara T., et al. *Biochem. Biophys. Res. Commun.* 152:837-842(1988).  
Monoh K., et al. *Gene* 129:297-301(1993).

Douglas A.J.,et al. Ann. Hum. Genet. 56:243-254(1992).  
Zody M.C.,et al. Nature 440:1045-1049(2006).