

**CNP / CNPase Antibody**  
**Rabbit Polyclonal Antibody**  
**Catalog # ALS17238****Specification**

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**CNP / CNPase Antibody - Product Information**

Application	IHC-P, WB
Primary Accession	<a href="#">P09543</a>
Other Accession	<a href="#">1267</a>
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	47579

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

CNP, CNP1, CNPase, Phosphodiesterase CNP

**Target/Specificity**

Human CNP / CNPase

**Reconstitution & Storage**

PBS, pH 7.3, 0.02% sodium azide, 50% glycerol. Long term: -80°C; Short term: -20°C. Avoid freeze-thaw cycles.

**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**

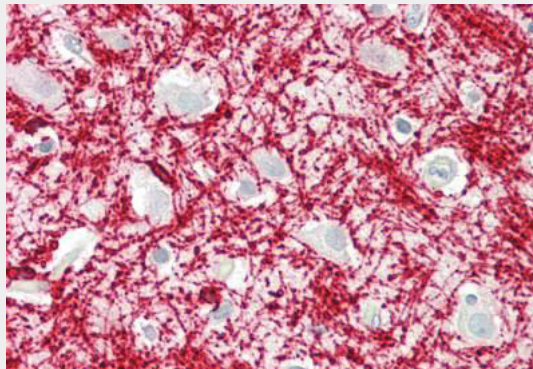
50  $\mu$ l

### CNP / CNPase Antibody - Protocols

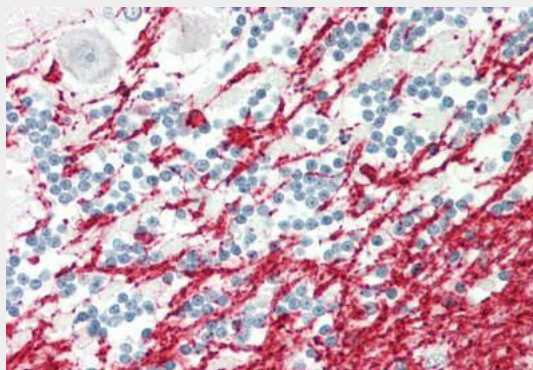
Provided below are standard protocols that you may find useful for product applications.

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

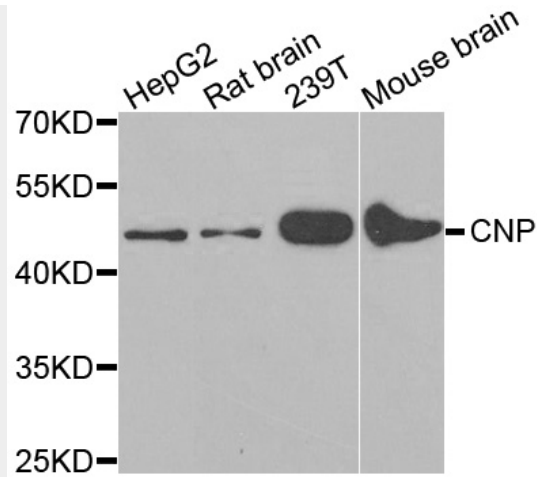
### CNP / CNPase Antibody - Images



Human Brain, Cortex: Formalin-Fixed, Paraffin-Embedded (FFPE)



Human Brain, Cerebellum: Formalin-Fixed, Paraffin-Embedded (FFPE)



Western blot analysis of extracts of various cell lines, using CNP antibody.

### **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).