

**CNP Antibody (C-Term)**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP21585b****Specification**

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**CNP Antibody (C-Term) - Product Information**

Application	<b>WB,E</b>
Primary Accession	<a href="#">P09543</a>
Reactivity	<b>Human, Mouse, Rat</b>
Host	<b>Rabbit</b>
Clonality	<b>polyclonal</b>
Isotype	<b>Rabbit IgG</b>
Calculated MW	<b>47579</b>

**CNP Antibody (C-Term) - Additional Information****Gene ID** 1267**Other Names**

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

**Target/Specificity**

This CNP antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 122-156 amino acids from human CNP.

**Dilution**

WB~~1:2000

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

CNP Antibody (C-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

**CNP Antibody (C-Term) - 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

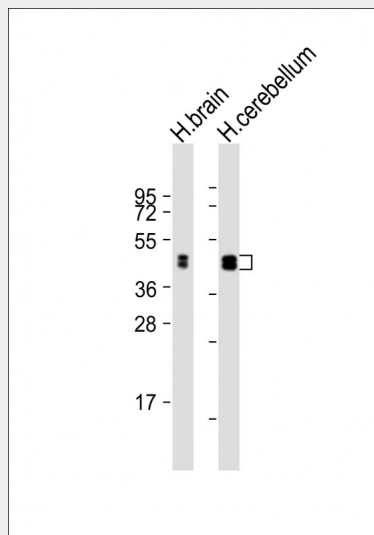
Membrane {ECO:0000250|UniProtKB:P16330}; Lipid- anchor {ECO:0000250|UniProtKB:P16330}. Melanosome. Note=Firmly bound to membrane structures of brain white matter. {ECO:0000250|UniProtKB:P16330}

### CNP Antibody (C-Term) - Protocols

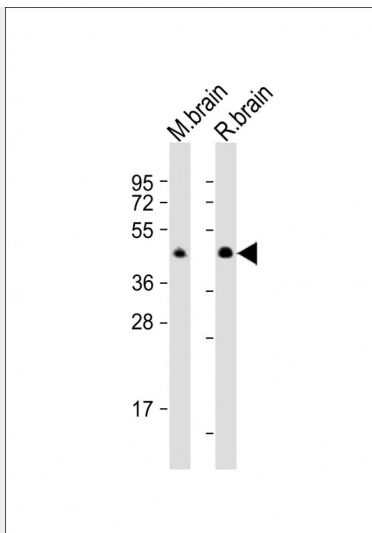
Provided below are standard protocols that you may find useful for product applications.

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

### CNP Antibody (C-Term) - Images



All lanes : Anti-CNP Antibody (C-Term) at 1:2000 dilution Lane 1: human brain lysates Lane 2: human cerebellum lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 48 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



All lanes : Anti-CNP Antibody (C-Term) at 1:2000 dilution Lane 1: mouse brain lysates Lane 2: rat brain lysates Lysates/proteins at 20  $\mu$ g per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 48 kDa Blocking/Dilution buffer: 5% NFDN/TBST.

#### **CNP Antibody (C-Term) - Background**

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

#### **CNP Antibody (C-Term) - 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).