

CNP Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP8791c**Specification**

CNP Antibody (Center) Blocking Peptide - Product InformationPrimary Accession [P09543](#)**CNP Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 1267**Other Names**

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

Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP8791c](/products/AP8791c) was selected from the Center region of human CNP. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

CNP Antibody (Center) Blocking Peptide - 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 (Center) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

CNP Antibody (Center) Blocking Peptide - Images

CNP Antibody (Center) Blocking Peptide - Background

CNPase (2',3'-Cyclic Nucleotide 3'-Phosphodiesterase) exists in two forms: 46kDa (CNP1) and 48kDa (CNP2). It is expressed at high levels by oligodendrocytes in the central nervous system and by Schwann cells in the peripheral nervous system and is virtual absent in other cell types. CNPase activity is decreased in demyelinating diseases such as multiple sclerosis. CNPase gene is localized to chromosome 17q21, very near the BRCA 1 familial breast cancer gene.

CNP Antibody (Center) Blocking Peptide - References

Sprinkle,T.J., et.al., Genomics 13 (3), 877-880 (1992)