10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

CNP / CNPase Antibody
Rabbit Polyclonal Antibody
Catalog # ALS13256

Specification

CNP / CNPase Antibody - Product Information

Application	**WB, IHC**
Primary Accession	P09543
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**48kDa KDa**

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

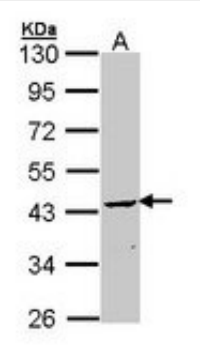
10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

CNP / CNPase Antibody - Protocols

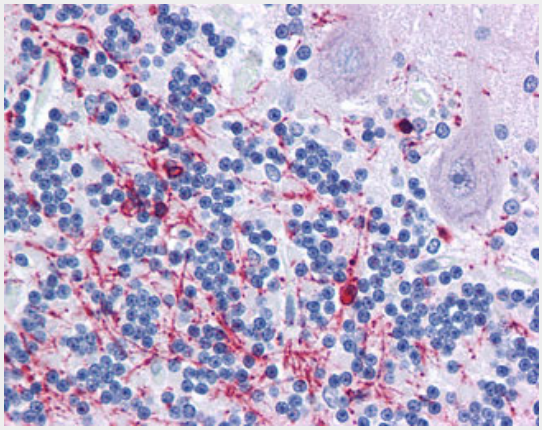
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- 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).