



[Go to Product page](#)

Datasheet for ABIN2778174

## anti-Cnpase antibody (Middle Region)

### 5 Images

#### Overview

Quantity:	100 µL
Target:	Cnpase (CNP)
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse, Rat, Rabbit, Dog, Pig, Horse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Cnpase antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

#### Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human CNP
Sequence:	LYSLGNGRWM LTLAKNMEVR AIFTGYYGKG KPVPTQGSRK GGALQSCTII
Predicted Reactivity:	Dog: 93%, Horse: 93%, Human: 100%, Mouse: 86%, Pig: 79%, Rabbit: 93%, Rat: 86%
Characteristics:	This is a rabbit polyclonal antibody against CNP. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

#### Target Details

Target:	Cnpase (CNP)
Alternative Name:	CNP ( <a href="#">CNP Products</a> )

## Target Details

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Background:	<p>CNP belongs to the cyclic nucleotide phosphodiesterase family. It interacts with tubulin and promotes microtubule assembly for process outgrowth in oligodendrocytes. reduced CNP expression in the schizophrenic brain is relevant to disease etiology and therefore provide support for the general hypothesis that altered oligodendrocyte function is an etiological factor in schizophrenia.</p> <p>Alias Symbols: CNP1</p> <p>Protein Interaction Partner: UBC, FAM96B, CIAO1, SOX2, MMS19, PEX14, MTNR1A, PRNP, PPP1CA, TUBA1A, PRKCD,</p> <p>Protein Size: 421</p>
Molecular Weight:	47 kDa
Gene ID:	1267
NCBI Accession:	<a href="#">NM_033133</a> , <a href="#">NP_149124</a>
UniProt:	<a href="#">P09543</a>

## Application Details

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Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 421 AA
Restrictions:	For Research Use only

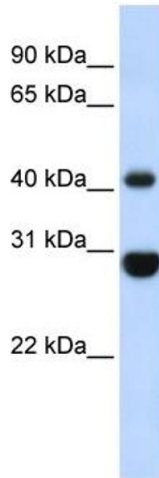
## Handling

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Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small

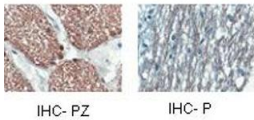
aliquots to prevent freeze-thaw cycles.

Images



Western Blotting

**Image 1.** WB Suggested Anti-CNP Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:62500 Positive Control: Fetal Muscle



**CNP (ARP33879\_P050)**

Sample: human optic nerve and/or spinal cord

Cellular target: oligodendrocyte lineage cells

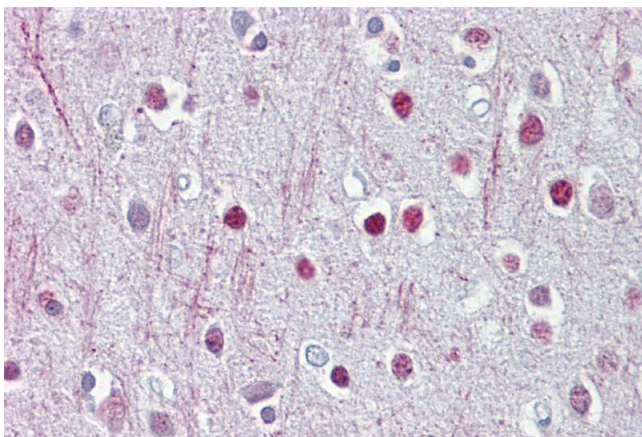
Dilution: 1:1,000

Application data in forum

Submitted by:  
Allison Jennings  
University of Western Australia  
School of Pathology & Lab Med

Immunohistochemistry

**Image 2.** Immunohistochemistry with Brain, cortex tissue at an antibody concentration of 5µg/ml using anti-CNP antibody (ARP33879\_P050)



Immunohistochemistry

**Image 3.** Brain, cortex

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN2778174.