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Datasheet for ABIN2487360

## anti-Cnpase antibody

1 Image

1 Publication

### Overview

Quantity:	50 µL
Target:	Cnpase (CNP)
Reactivity:	Rabbit
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Cnpase antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

### Product Details

Immunogen:	Endogenous rabbit 2,3 cyclic nucleotide-3-phospho-diesterase
Specificity:	Specific for the ~ 46k CNP protein in Western blots
Cross-Reactivity:	Human, Mouse (Murine), Rabbit, Rat (Rattus), Sheep (Ovine)
Purification:	Neat serum

### Target Details

Target:	Cnpase (CNP)
Alternative Name:	CNP ( <a href="#">CNP Products</a> )
Background:	2,3-cyclic nucleotide-3-phosphodiesterase (CNP) is a membrane bound, microtubule associated protein that is among the most abundant myelin proteins of the CNS. It is thought that CNP may serve as a regulator of tubulin polymerization and of microtubule distribution (Bifulco et al., 2002). It was recently found that CNP may also function as a possible linker

## Target Details

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protein anchoring microtubules to the plasma membrane via a 13 residue C-terminal CNP fragment (Bifulco et al., 2002, Esposito et al., 2008). Anti-CNP Western blot of rat brain lysate showing the specific immunolabeling of the ~ 46k CNP protein.

Molecular Weight: 46 kDa

Gene ID: 25275

UniProt: [P13233](#)

## Application Details

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Application Notes: Recommended Dilution: WB: 1:1000 IHC: 1:1000 (formalin-fixed, Ramaswamy et al. 1990)  
Quality Control: Western blots performed on each lot.

Restrictions: For Research Use only

## Handling

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Format: Liquid

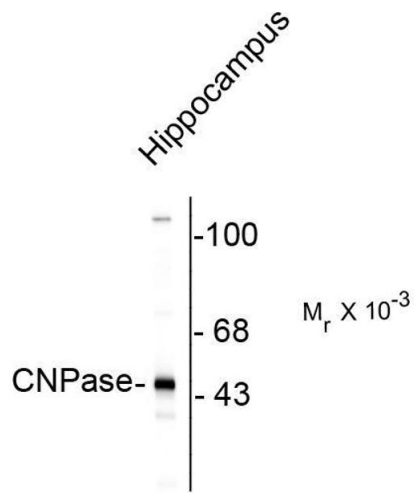
Buffer: Neat serum

Storage: -20 °C

## Publications

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Product cited in: González-Fernández, Jeong, Fukaya, Kim, Khawaja, Srivastava, Waisman, Son, Kang: "PTEN negatively regulates the cell lineage progression from NG2+ glial progenitor to oligodendrocyte via mTOR-independent signaling." in: **eLife**, Vol. 7, (2019) ([PubMed](#)).



### Western Blotting

**Image 1.** Western blots of rat brain lysate showing the specific immunolabeling of the ~ 46k CNP protein.