

Datasheet for ABIN6658047

anti-Cnpase antibody



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1 Image

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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), ELISA

Product Details

Purpose:	CNPase Antibody
Immunogen:	Anti-CNP Antibody was produced in rabbit by repeated immunizations with endogenous rabbit 2,3 cyclic nucleotide-3-phospho-diesterase
Isotype:	IgG
Cross-Reactivity (Details):	Anti-CNP antibody is directed against rabbit CNP.
Purification:	The antibody was prepared as neat antiserum by delipdation and defibrination from monospecific antiserum.

Target Details

Target:	Cnpase (CNP)
Alternative Name:	CNPase (CNP Products)

Target Details

Background:	Synonyms: CNPase Background: CNP antibody recognizes CNP or 2,3-cyclic nucleotide-3-phosphodiesterase which 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. It was recently found that CNP may also function as a possible linker protein anchoring microtubules to the plasma membrane via a 13 residue C-terminal CNP fragment. Anti-CNP antibody is ideal for investigators involved in Cell Signaling, Neuroscience, Signal Transduction research. Gene Name: CNP
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UniProt:	G1T512
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Application Details

Application Notes:	ELISA_Dilution: 1:10,000 Immunohistochemistry_Dilution: 1:1000 Western_Blot_Dilution: 1:1000
Comment:	Anti-CNP has been tested in western blot and IHC and is suitable for usage in ELISA. Specific conditions for reactivity should be optimized by the end user. Expect a 46kDa band by western blot corresponding to CNP protein in the appropriate cell lysate of tissue.
Restrictions:	For Research Use only

Handling

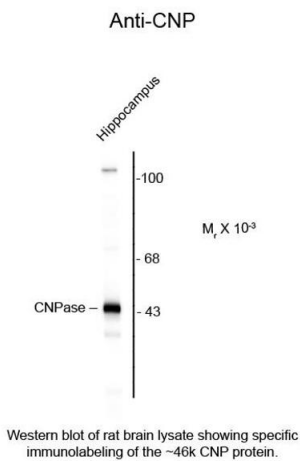
Format:	Liquid
Storage:	4 °C,-20 °C
Storage Comment:	Store vial at -20° C prior to opening. This product is stable at 4° C as an undiluted liquid. For extended storage, aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing. Dilute only prior to immediate use.
Expiry Date:	12 months

Publications

Product cited in:	Hirose-Ikeda, Chu, Zhao, Akil, Escalante, Vergnes, Cepeda, Espinosa-Jeffrey: "Trophic factors are essential for the survival of grafted oligodendrocyte progenitors and for neuroprotection after perinatal excitotoxicity." in: Neural regeneration research , Vol. 15, Issue 3, pp. 557-568, (
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2020) ([PubMed](#)).

Images



Western Blotting

Image 1. Western Blot of Anti-CNP (2,3-cyclic nucleotide-3-phosphodiesterase) (Rabbit) Antibody - 100-401-D21 Western Blot of Rabbit Anti-CNP (2,3-cyclic nucleotide-3-phosphodiesterase) (Rabbit) Antibody. Lane 1: rat brain lysate. Lane 2: none. Load: 10 µg per lane. Primary antibody: CNP antibody at 1:1000 for overnight at 4°C. Secondary antibody: rabbit secondary antibody at 1:10,000 for 45 min at RT. Block: 5% BLOTTO overnight at 4°C. Predicted/Observed size: ~ 46k, ~ 46k for CNP protein. Other band(s): none.