www.antibodiesinc.com
orders@antibodiesinc.com
530-758-4400

PRODUCT DATASHEET

Anti-CNP (2,3-cyclic nucleotide-3-phosphodiesterase) Antibody

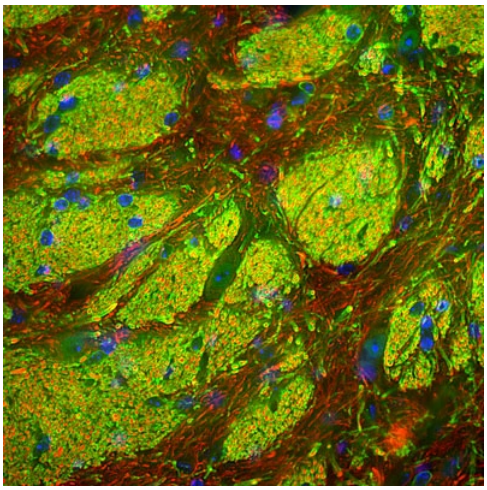
phosphosolutions ANTIBODIES THAT WORK

Product Details

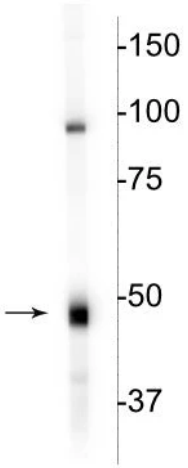
Available Variants	100 µL (SKU:326-CNP) 25 µL (SKU:326-CNPt)
Conjugate	Unconjugated
Isotype	IgG
Gene Name	CNP
Host Species	Goat
Format	Affinity Purified
Physical State	Liquid
Buffer	PBS + 50% glycerol and 5 mM NaN_3
Production Notes	Affinity purified goat serum
Applications	ELISA, IHC, WB
Dilution Ranges	WB: 1:5000 WB Brain: 1:5000 IHC: 1:3000
Species Reactivity	Bovine, Human, Mouse, Pig, Rat
Immunogen	Full length human recombinant protein
Specificity	Specific for endogenous levels of the ~46 kDa CNP protein
Molecular Weight	46 kDa
Quality Control	Western blots performed on each lot
Storage	Storage at -20°C is recommended, as aliquots may be taken without freeze/thawing due to presence of 50% glycerol. Stable for at least 1 year at -20°C.

Antibody Registry ID	AB_ 2905460
UniProt ID	P09543 UniProt Summary: Myelin-associated enzyme that catalyzes the phosphodiester hydrolysis of 2',3'-cyclic nucleotides to 2'-nucleotides. In the mitochondria, regulates the functioning of the mitochondrial permeability transition pore (mPTP), and thus is involved in the mechanisms of cell death, both apoptosis and necrosis. Acts as an antiviral factor by suppressing the assembly of SARS-CoV-2 virions (PubMed:38117830). {ECO:0000250|UniProtKB:P06623, ECO:0000250|UniProtKB:P16330, ECO:0000269|PubMed:38117830}.; Acts as an antiviral factor by suppressing the assembly of HIV-1 virions through direct interaction with GAG. {ECO:0000269|PubMed:38167610}.
Shipping	Blue ice
Expiration	After date of receipt, stable for at least 1 year at -20°C.
Usage Statement	For research use only. Not intended for therapeutic or diagnostic use. Use of all products is subject to our terms and conditions, which can be viewed on our website.
NCBI Gene ID	1267

Product Images



Immunostaining of mouse striatum showing specific labeling of CNP in myelinating oligodendrocytes (Cat. 326-CNP, green, 1:3000) and neurofilament L (red, 1:5000). The blue is staining DNA.



Western blot of rat hippocampal lysate showing the specific immunolabeling of the ~46 kDa CNP protein.

Created on 04. November 2026 | All information without guarantee