

Product Datasheet

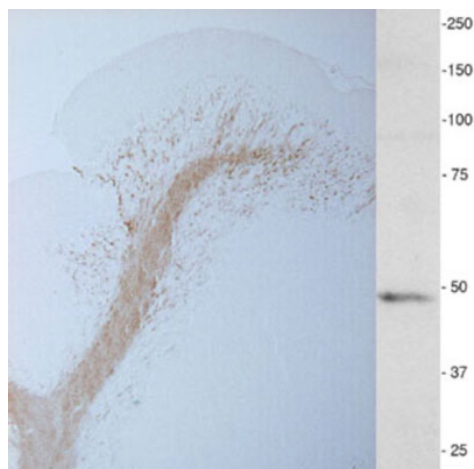
Chickens make *better* antibodies.

Anti-CNPase (Cyclic Nucleotide Phosphodiesterase) Antibody

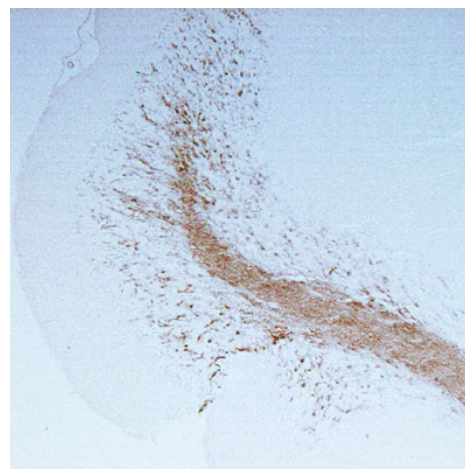
Overview

Catalog #	CNP
Concentration	100 µg/mL
Host Species	Chicken Polyclonal
Format	Affinity-Purified IgY
Buffer	Phosphate-buffered (10 mM) isotonic (0.9%, w/v) saline ("PBS," pH 7.2) with sodium azide (0.02%, w/v) added as a preservative.
Applications	IHC 1:500-1:1000 ICC 1:500-1:1000 WB 1:500-1:1000
Species Reactivity	Human, Mouse, and Rat
Immunogen	Synthetic peptide
Molecular Weight	47 kDa
Cite this Antibody	Aves Labs Cat# CNP, RRID: AB_2313538

Images



CNPase-positive oligodendrocytes (brown) in cerebellar white matter (adult mouse). Right: Western.



A tissue section through an adult mouse brain showing CNPase (brown staining) in white matter tracts and the granule cell layer of the cerebellum.

Details

Target Description	Murine CNPase (EC 3.1.4.37) is a 47,122 dalton protein (420 amino acids) found in myelin. This protein is expressed by oligodendrocytes of the CNS and by Schwann cells of the PNS.
Purification Method	Chickens were immunized with a synthetic peptide / keyhole limpet hemocyanin (KLH) conjugate. The peptide corresponded to a region of the CNPase gene product shared between the human (NP_149124, NCBI) and mouse (P16330, NCBI) sequences. After repeated injections, immune eggs were collected, the IgY fractions were purified from the yolks, and then affinity purified using a peptide column. The concentrations of the eluates were then adjusted to 100 µg/mL, and the preparation was filter-sterilized.
Quality Control Tests	Quality assurance analysis was performed using immunohistochemistry (at a dilution of 1:2000) using fluorescein-labeled goat anti-chicken IgY (1:500 dilution, Aves Labs Cat.# F-1005) as the secondary reagent.
Storage	Store at 4°C in the dark. Under these conditions, the antibodies should have a shelf life of at least twelve months, provided they remain sterile. For longer term storage, aliquot and freeze to avoid freeze-thaw of the antibody.

Our Guarantee

As an original manufacturer, we are dedicated to creating quality and reproducible antibodies that further your research. We provide personalized customer support from the scientists that made the antibody and offer a free replacement or 100% refund if we cannot resolve an issue. Order today and experience how chickens make better antibodies.

Note: For research use only. Not intended for therapeutic or diagnostic use. Use of all products is subject to our terms and conditions, viewable on our website.