

# Anti-CNPase (Cyclic Nucleotide Phosphodiesterase) Antibody



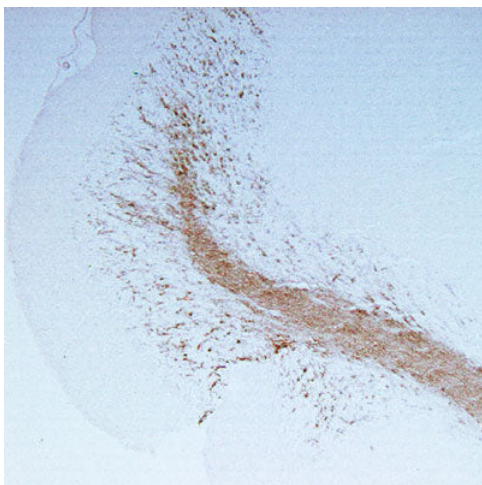
## Product Details

|                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|--------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Available Variants | 1000 µL (SKU:CNP)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Isotype            | IgY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Gene Name          | CNP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Host Species       | Chicken                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Concentration      | 100 µg/mL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Format             | Affinity-Purified IgY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Physical State     | Liquid                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 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.                                                                                                                                                                                                                                                                                                                                                                                       |
| Production Notes   | 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. |
| Applications       | ICC, IHC, WB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Dilution Ranges    | WB: 1:500-1:1000<br>IHC: 1:500-1:1000<br>ICC: 1:500-1:1000                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Species Reactivity | Human, Mouse, Rat                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Immunogen          | Synthetic peptide                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Molecular Weight   | 47 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |

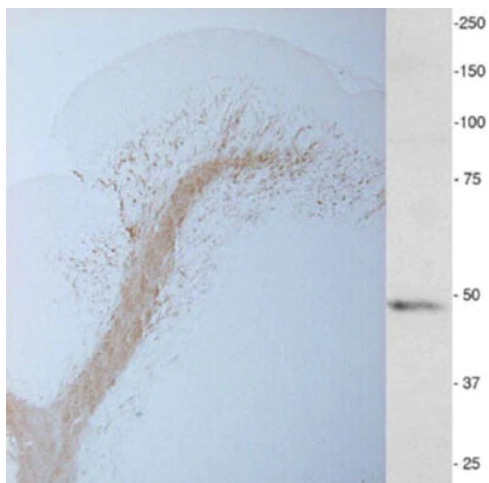
|                             |                                                                                                                                                                                                                                      |
|-----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Quality Control</b>      | 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.                     |
| <b>Storage</b>              | 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. |
| <b>Antibody Registry ID</b> | AB_2313538                                                                                                                                                                                                                           |
| <b>UniProt ID</b>           | <u>P09543</u>                                                                                                                                                                                                                        |
| <b>Country of Origin</b>    | United States                                                                                                                                                                                                                        |
| <b>Shipping</b>             | Ice packs                                                                                                                                                                                                                            |
| <b>Expiration</b>           | 12 months from receipt of product                                                                                                                                                                                                    |
| <b>Usage Statement</b>      | These antibodies are to be used as research laboratory reagents and are not for use as diagnostic or therapeutic reagents in humans.                                                                                                 |

---

## Product Images



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



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

**Product Page URL:** [www.antibodiesinc.com/products/anti-cnpase-cyclic-nucleotide-phosphodiesterase-antibody-cnp](http://www.antibodiesinc.com/products/anti-cnpase-cyclic-nucleotide-phosphodiesterase-antibody-cnp)



Created on 04. September 2026 | All information without guarantee