

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

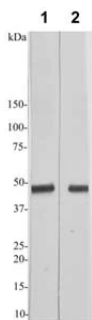
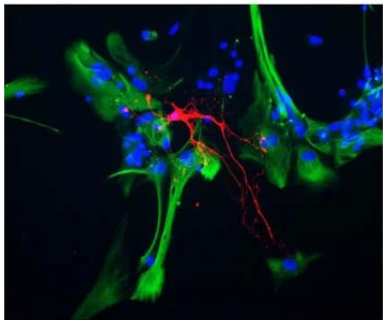


Product Details

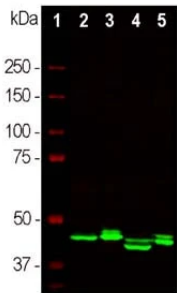
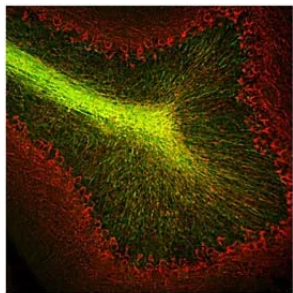
Available Variants	50 µg (SKU:M-1802-50)
Conjugate	Unconjugated
Isotype	IgG1
Clone	1H10
Host Species	Mouse
Format	Affinity-purified
Physical State	Lyophilized
Buffer	Lyophilized from PBS buffer pH 7.2-7.6 with 0.1% trehalose, and sodium azide.
Production Notes	Protein G purified
Applications	ICC, WB
Dilution Ranges	WB: 1:5000-1:20000 IHC: 1:1000-1:5000
Species Reactivity	Human, Mouse, Rat
Immunogen	Full-length recombinant human protein
Specificity	Reacts with human, rat, mouse. Antibody is specific for parvalbumin and does not recognize closely related proteins calretinin and calbindin as determined by Western blotting.
Storage	Spin vial briefly before opening. Reconstitute with 50 µL sterile-filtered, ultrapure water to achieve a 1 mg/mL concentration. Centrifuge to remove any insoluble material. Store lyophilized antibody at 2-8°C. After reconstitution divide into aliquots and store at -20°C for long-term storage. Store at 2-8°C short-term (up to 4 weeks) with an appropriate antibacterial agent. Avoid repetitive freeze/thaw cycles.

UniProt ID	P09543
Country of Origin	United States
Shipping	25°C (ambient)
Expiration	12 months after date of receipt (unopened vial).
Usage Statement	For research use only.

Product Images



Left: Mixed neuron-glia cell cultures stained with anti-CNP (red) and anti-GFAP (green, R-1374-50) by **Immunocytochemistry**. The antibody to CNP stains strongly in oligodendrocytes, whereas GFAP labels only the intermediate filaments in astrocytes. Blue is DNA staining. Right: **Western Blotting** of rat brain tissue homogenates probed with anti-CNP antibody at 1:5,000 (Lane 1) and 1:20,000 (Lane 2). The antibody binds strongly and specifically to a band at ~48 kDa corresponding to the expected molecular weight of CNP.



Left: Rat cerebellum stained with mouse anti-CNP (green, 1:500) and chicken anti-NF-M (C-1393-50, red, 1:1,000) by **Immunohistochemistry**. Blue: DAPI nuclear stain. *IHC Method:* Following transcardial perfusion of rat with 4% paraformaldehyde, brain was post fixed for 24 hours, cut to 45 um, and free-floating sections were stained. The CNP antibody specifically stains oligodendrocytes, cells that create the myelin sheath around axons. The NF-M antibody labels axons of neuronal cells. **Right: Western blot** analysis of rat brain (2), rat spinal cord (3), mouse brain (4), mouse spinal cord (5). Antibody dilution: 1:2,000. Double bands at 46 and 48 kDa correspond to the major isotypes of CNP.

Product Page URL: www.antibodiesinc.com/products/anti-23-cyclic-nucleotide-3-phosphodiesterase-cnp-antibody-m-1802-50

