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PRODUCT DATASHEET

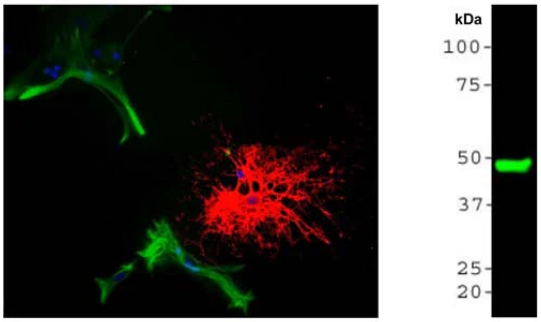
Anti-CNPase Antibody

Product Details

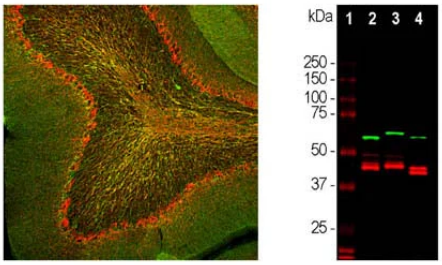
Available Variants	50 µL (SKU:C-1804-50)
Conjugate	Unconjugated
Isotype	IgY
Host Species	Chicken
Format	IgY preparation
Physical State	Lyophilized
Buffer	Lyophilized IgY preparation, with sodium azide.
Applications	ICC, WB
Dilution Ranges	WB: 1:5000-1:10000 IHC: 1:5000-1:10000 ICC: 1:5000-1:10000
Species Reactivity	Human, Mouse, Rat
Immunogen	Full-length recombinant human protein
Specificity	Reacts with human, rat, mouse.
Storage	Spin vial briefly before opening. Reconstitute with 50 µL sterile-filtered, ultrapure water. 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-glial cell cultures stained with chicken anti-CNP (red) and mouse anti-GFAP antibody (M-1375-100) by **Immunocytochemistry**. The CNP antibody stains strongly in oligodendrocytes, whereas GFAP labels the intermediate filament in astrocytes. Blue: Nuclear DNA stain, which reveals the presence of neurons which do not express either CNP or GFAP. Right: **Western Blot** analysis of rat brain tissue homogenate with chicken anti-CNP antibody (1:5,000). One specific band at ~48 kDa is detected corresponding to the molecular weight of CNP.



Left: Rat cerebellum section stained with chicken anti-CNP (green, 1:2,000) and rabbit anti-NF-H antibody (red, 1:10,000). *IHC Method*: Following transcardial perfusion with 4% paraformaldehyde, brain was post fixed for 24 hours, cut to 45 um, and free-floating sections were stained. The CNP antibody stains myelin and oligodendrocytes, cells that create the myelin sheath around axons. The NF-H antibody labels the heavily phosphorylated axonal forms of NF-H which are localized in large projection axons. **Right: Western blot** analysis of spinal cord tissue homogenates using chicken anti-CNP (red, 1:5,000). [2] mouse, [3] rat and [4] cow. Doublet bands at 46 and 48 kDa correspond to CNP isotypes. The blot was simultaneously probed with mouse anti-internexin antibody (green).