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PRODUCT DATASHEET

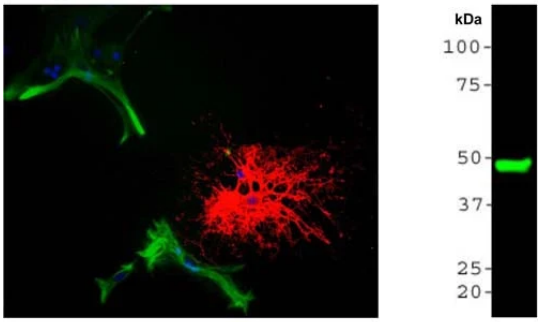
Anti-CNPase Antibody

Product Details

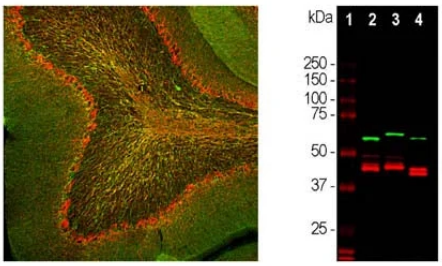
Available Variants	50 µL (SKU:C-1804-50)
Conjugate	Unconjugated
Isotype	IgY
Host Species	Chicken
Format	IgY preparation
Physical State	Lyophilized
Buffer	Lyophilized IgY preparation, with sodium azide.
Applications	ICC, WB
Dilution Ranges	WB: 1:5000-1:10000 IHC: 1:5000-1:10000 ICC: 1:5000-1:10000
Species 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 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.
Country of Origin	United States
Shipping	25°C (ambient)
Expiration	12 months after date of receipt (unopened vial).
Usage Statement	For research use only.
NCBI Gene ID	1267

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).



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