

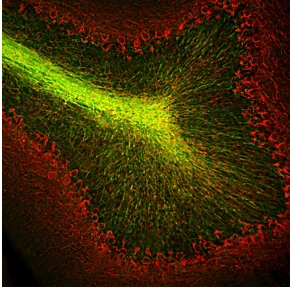
Anti-CNPase Antibody [1H10] (A85413)

Specifications:

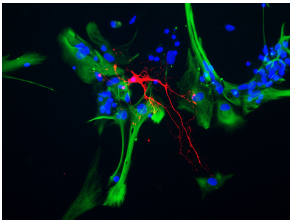
Name:	Anti-CNPase Antibody [1H10]
Description:	Mouse monoclonal (1H10) antibody to CNPase.
Applications:	WB, ICC/IF, IHC
Recommended Dilutions:	WB: 1:1,000, ICC/IF: 1:500
Reactivity:	Human, Rat, Mouse
Immunogen:	Recombinant full-length human CNPase, expressed in and purified from E. coli.
Host:	Mouse
Clonality:	Monoclonal
Clone ID:	1H10
Isotype:	IgG1
Conjugate:	Unconjugated
Purification:	Immunogen affinity purification.
Concentration:	1 mg/ml
Molecular Weight:	46 kDa, 48 kDa
Product Form:	Liquid
Formulation:	Supplied in Phosphate Buffered Saline with 50% Glycerol and 5mM Sodium Azide.
Storage:	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
General Notes:	This antibody can be used to identify myelinating cells in cell culture and in sections, and to trace axonal projections in sectioned material.
Disclaimer:	This product is for research use only. It is not intended for diagnostic or therapeutic use.

Anti-CNPase Antibody [1H10] (A85413)

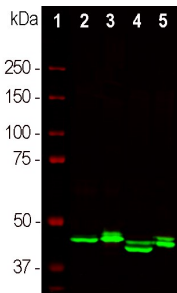
Images:



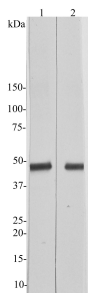
Immunofluorescent analysis of rat cerebellum section stained with Anti-CNPase Antibody (1:500 | green) and Anti-NF-M Antibody (A85324 | 1:1,000 | red). The blue is DAPI staining of nuclear DNA. Following transcardial perfusion of rat with 4% paraformaldehyde, brain was post fixed for 24 hours, cut to 45 μ m, and free-floating sections were stained with the above antibodies. The Anti-CNPase Antibody stains the oligodendrocytes, cells that create the myelin sheath around axons. Anti-NF-M Antibody labels axons of neuronal cells.



Mixed neuron-glia cell cultures stained with Anti-CNPase Antibody (red) and Anti-GFAP Antibody (A85419 | green). The Anti-CNPase Antibody stains strongly in oligodendrocytes, whereas Anti-GFAP Antibody labels only the intermediate filaments in astrocytes. Blue is DNA staining.



Western blot analysis of different tissue lysates using Anti-CNPase Antibody (1:2,000 | green): [1] protein standard (red), [2] rat brain, [3] rat spinal cord, [4] mouse brain, [5] mouse spinal cord. Double bands at 46, 48 kDa mark correspond to isotypes of the CNP protein.



Blots of rat brain tissue homogenates probed with Anti-CNPase Antibody at 1:5,000 (Lane 1) and 1:20,000 (Lane 2). The antibody binds strongly and cleanly to a band at \sim 48kDa.