

Product Datasheet

CNPase Antibody (1H10) - BSA Free NBP2-50031

Unit Size: 0.1 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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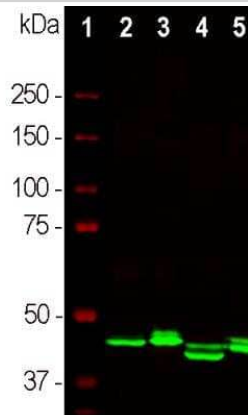
NBP2-50031

CNPase Antibody (1H10) - BSA Free

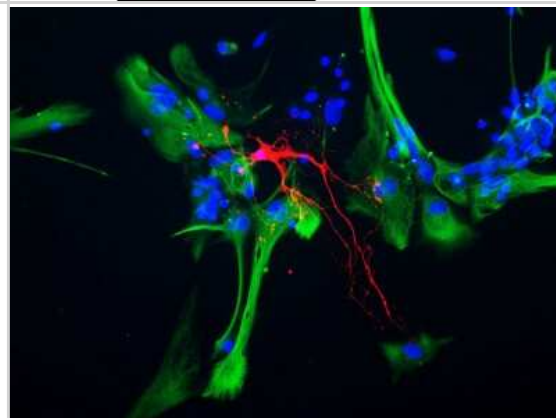
Product Information	
Unit Size	0.1 ml
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	1H10
Preservative	0.035% Sodium Azide
Isotype	IgG1
Purity	Immunogen affinity purified
Buffer	50% PBS, 50% glycerol
Target Molecular Weight	46,48 kDa
Product Description	
Host	Mouse
Gene ID	1267
Gene Symbol	CNP
Species	Human, Mouse, Rat
Immunogen	Full length human recombinant CNPase protein expressed in and purified from E. coli. [UniProt# P09543]
Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry Free-Floating
Recommended Dilutions	Western Blot 1:5000 - 1:20000, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1:1000 - 1:5000, Immunohistochemistry Free-Floating
Application Notes	In western blot, double bands may be detected at 46 and 48 kDa corresponding to the major isotypes of the CNP protein.

Images

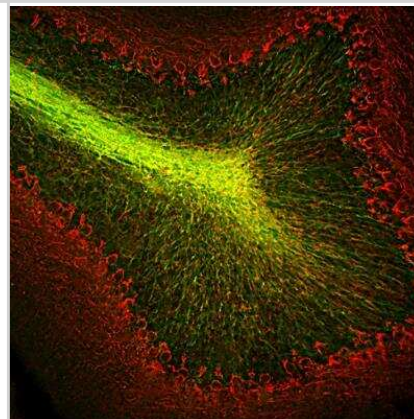
Western Blot: CNPase Antibody (1H10) [NBP2-50031] - Western blot analysis of different tissue lysates using mouse mAb to CNP, NBP2-50031, dilution 1:2,000 in green: [1] protein standard (red), [2] rat brain, [3] rat spinal cord, [4] mouse brain, [5] mouse spinal cord. A doublet of bands at 46 and 48kDa correspond to the major isotypes of the CNP protein.



Immunocytochemistry/Immunofluorescence: CNPase Antibody (1H10) [NBP2-50031] - Mixed neuron-glia cell cultures stained with NBP2-50031 (red) and polyclonal antibody against GFAP (green, NB300-141). NBP2-50031 stains strongly in oligodendrocytes, whereas GFAP labels only the intermediate filaments in astrocytes. Blue is DNA staining.



Immunohistochemistry Free-Floating: CNPase Antibody (1H10) [NBP2-50031] - Analysis of rat cerebellum section stained with mouse mAb to CNP, NBP2-50031, dilution 1:500 in green and costained with chicken pAb to NF-M, dilution 1:1,000, in 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 45uM, and free-floating sections were stained with above antibodies. The CNP antibody specifically stains oligodendrocytes, cells that create the myelin sheath around axons. NF-M antibody labels axons of neuronal cells.





Novus Biologicals USA

10730 E. Briarwood Avenue
Centennial, CO 80112
USA
Phone: 303.730.1950
Toll Free: 1.888.506.6887
Fax: 303.730.1966
nb-customerservice@bio-techne.com

Bio-Techne Canada

21 Canmotor Ave
Toronto, ON M8Z 4E6
Canada
Phone: 905.827.6400
Toll Free: 855.668.8722
Fax: 905.827.6402
canada.inquires@bio-techne.com

Bio-Techne Ltd

19 Barton Lane
Abingdon Science Park
Abingdon, OX14 3NB, United Kingdom
Phone: (44) (0) 1235 529449
Free Phone: 0800 37 34 15
Fax: (44) (0) 1235 533420
info.EMEA@bio-techne.com

General Contact Information

www.novusbio.com
Technical Support: nb-technical@bio-techne.com
Orders: nb-customerservice@bio-techne.com
General: novus@novusbio.com

Products Related to NBP2-50031

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)
H00001267-P01-10ug	Recombinant Human CNPase GST (N-Term) Protein

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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