

Product Datasheet

CNPase Antibody - BSA Free NBP3-05551-100ul

Unit Size: 100 ul

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

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NBP3-05551-100ul

CNPase Antibody - BSA Free

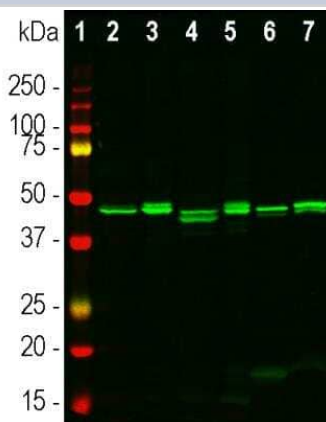
Product Information	
Unit Size	100 ul
Concentration	1 mg/ml
Storage	Store at 4C short term. Store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.035% Sodium Azide
Purity	Immunogen affinity purified
Buffer	50% PBS, 50% glycerol

Product Description	
Host	Goat
Gene ID	1267
Gene Symbol	CNP
Species	Human, Mouse, Rat, Porcine, Bovine
Immunogen	Full length human recombinant CNPase expressed in E. coli

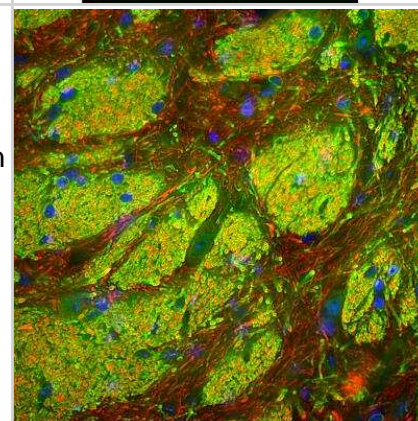
Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence
Recommended Dilutions	Western Blot 1:5000, Immunocytochemistry/ Immunofluorescence 1:3000

Images

Western Blot: CNPase Antibody [NBP3-05551] - Western blot analysis of different tissue lysates using goat pAb to CNPase at a dilution of 1:5,000, in green: [1] protein standard, [2] rat brain, [3] rat spinal cord, [4] mouse brain, [5] mouse spinal cord, [6] cow spinal cord, and [7] pig spinal cord. Bands at 46kDa and 48kDa mark correspond to the two major isotypes of CNPase protein.



Immunocytochemistry/Immunofluorescence: CNPase Antibody [NBP3-05551] - Immunofluorescent analysis of a section of mouse striatum stained with CNPase Antibody at a dilution of 1:3,000 in green, and costained with rabbit pAb to NF-L at a dilution of 1:5,000, in red. The blue is Hoechst staining of nuclear DNA. Following transcardial perfusion of mouse with 4% paraformaldehyde, the brain was post fixed for 24 hours, cut to 45uM, and free-floating sections were stained with above antibodies. The CNPase antibody stains myelin sheath and the plasma membranes of oligodendrocytes, the myelin producing cells of the CNS. The NF-L antibody labels axons of neuronal cells enclosed by the myelin.



Publications

Eduardo Martin-Lopez, Bowen Brennan, Tianyang Mao, Natalie Spence, Sarah J. Meller, Kimberly Han, Nawal Yahiaoui, Chelsea Wang, Akiko Iwasaki, Charles A. Greer Inflammatory Response and Defects on Myelin Integrity in the Olfactory System of K18hACE2 Mice Infected with SARS-CoV-2 eNeuro 2024-06-04 [PMID: 38834299]





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Products Related to NBP3-05551-100ul

HAF017	Rabbit anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
HAF109	Donkey anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
H00001267-P01-10ug	Recombinant Human CNPase GST (N-Term) Protein
538-MG-100	MAG/Siglec-4a

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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