CNPase Antibody



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For Research Use Only. Not for Use in Diagnostic Procedures.

Applications: W	Reactivity: H M R	Sensitivity: Endogenous	MW (kDa): 47	Source/Isotype: Rabbit	UniProt ID: #P09543	Entrez-Gene Id: 1267
Product Usage Information		Application Western Blotting			Dilution 1:1000	
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μ g/ml BSA and 50% glycerol. Store at – 20°C. Do not aliquot the antibody.				
Specificity/Sensitivity		CNPase Antibody detects endogenous levels of total CNPase protein.				
Source / Purification		Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to human CNPase. Antibodies are purified by protein A and peptide affinity chromatography.				
Background		nucleotides to produc nucleotide phosphodi oligodendrocytes and the central nervous sy polymerization, and o knock-out mice, but the display abnormal para contact the axolemma	e 2'-nucleotides. The esterase remains u Schwann cells as C estem (2). CNPase b ligodendrocyte pro ney suffer severe no anodal loop structu a in axon-glial signa	odiesterase) catalyzes the in vivo molecular function der investigation (1). HNPase accounts for rouginds to tubulin heterodicess outgrowth (3). Typicurodegeneration from a prior to axonal deger ling; neurodegeneration (4).	ction and native sub ligh CNPase express ghly 4% of the total mers and plays a ro cal myelination is so axonal loss and olig peration. Paranodal	estrate of this sion is seen in myelin protein in ble in tubulin een in CNPase lodendrocytes loops typically
Background References		1. Esposito, C. et al. (2008) <i>Biochemistry</i> 47, 308-19. 2. Kozlov, G. et al. (2003) <i>J Biol Chem</i> 278, 46021-8. 3. Lee, J. et al. (2005) <i>J Cell Biol</i> 170, 661-73. 4. Lappe-Siefke, C. et al. (2003) <i>Nat Genet</i> 33, 366-74.				
Species Reactiv	ity	Species reactivity is de	etermined by testin	g in at least one approve	ed application (e.g.,	western blot).
Western Blot Buffer		IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v BSA, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.				
Applications Key		W: Western Blotting				
Cross-Reactivity Key		H: Human M: Mouse R: Rat				

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