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CNPase Antibody

Rabbit mAb
Catalog # AP91119

Product Information

Application	WB
Primary Accession	P09543
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Other Names	CNP; CNP1; CNPase;
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	47579

Additional Information

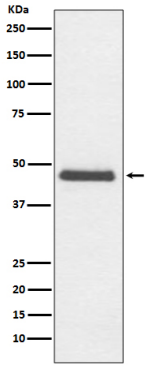
Dilution	WB 1:500~1:2000
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human CNPase
Description	May participate in RNA metabolism in the myelinating cell, CNP is the third most abundant protein in central nervous system myelin
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

Protein Information

Name	CNP (HGNC:2158)
Function	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 (PubMed:38117830).
Cellular Location	Melanosome. Mitochondrion. Note=Firmly bound to membrane structures of brain white matter {ECO:0000250|UniProtKB:P16330}

Images

Western blot analysis of CNPase expression in C6 cell lysate.



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