

CNPase Polyclonal Antibody

Catalog # AP69186

Product Information

Application	WB, IHC-P, IF, ICC, E
Primary Accession	P09543
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	47579

Additional Information

Gene ID	1267
Other Names	CNP; 2'; 3'-cyclic-nucleotide 3'-phosphodiesterase; CNP; CNPase
Dilution	WB~~Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/40000. Not yet tested in other applications. IHC-P~~N/A IF~~1:50~200 ICC~~N/A E~~N/A
Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.
Storage Conditions	-20°C

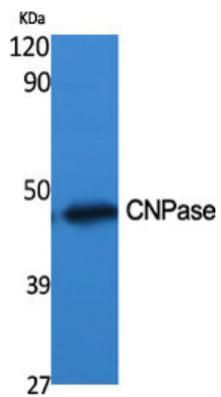
Protein Information

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}

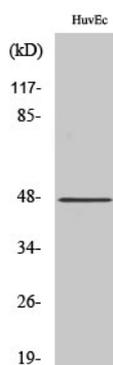
Background

May participate in RNA metabolism in the myelinating cell, CNP is the third most abundant protein in central nervous system myelin.

Images



Western Blot analysis of various cells using CNPase
Polyclonal Antibody diluted at 1 : 500



Western Blot analysis of MCF7 cells using CNPase
Polyclonal Antibody diluted at 1 : 500

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.