

KD-Validated Anti-CNP Mouse Monoclonal Antibody

Mouse monoclonal antibody

Catalog # AGI2005

Product Information

Application	WB
Primary Accession	P09543
Reactivity	Human
Clonality	Monoclonal
Isotype	Mouse IgG1/Kappa
Clone Names	24GB8575
Calculated MW	47579
Gene Name	CNP
Aliases	CNP; 2',3'-Cyclic Nucleotide 3' Phosphodiesterase; 2',3'-Cyclic-Nucleotide 3'-Phosphodiesterase; EC 3.1.4.37; CNPase; 2', 3' Cyclic Nucleotide 3' Phosphohydrolase; HLD20; CNP1
Immunogen	KLH conjugated synthetic peptide derived from human CNPase

Additional Information

Gene ID	1267
Other Names	2', 3'-cyclic-nucleotide 3'-phosphodiesterase, CNP, CNPase, 3.1.4.37, CNP (HGNC:2158)

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}

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