

Anti-CNPase Rabbit Monoclonal Antibody

Catalog # ABO13865

Product Information

Application	WB
Primary Accession	P09543
Host	Rabbit
Isotype	Rabbit IgG
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Format	Liquid
Description	Anti-CNPase Rabbit Monoclonal Antibody . Tested in WB application. This antibody reacts with Human, Mouse, Rat.

Additional Information

Gene ID	1267
Other Names	2', 3'-cyclic-nucleotide 3'-phosphodiesterase, CNP, CNPase, 3.1.4.37, CNP (HGNC:2158)
Calculated MW	47579
Application Details	WB 1:500-1:2000
Subcellular Localization	Membrane; Lipid-anchor. Melanosome. Firmly bound to membrane structures of brain white matter. Identified by mass spectrometry in melanosome fractions from stage I to stage IV.
Source	Eukaryota
Contents	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.
Clone Names	Clone: AOHA-3
Immunogen	A synthesized peptide derived from human CNPase
Purification	Affinity-chromatography
Storage	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.

Protein Information

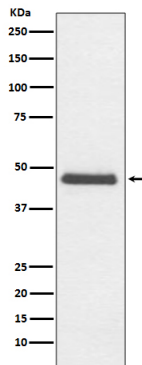
Name	CNP (HGNC:2158)
Function	Myelin-associated enzyme that catalyzes the phosphodiester hydrolysis of

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.

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