

Anti-CNPase Antibody

Rabbit polyclonal antibody to CNPase
Catalog # AP59520

Product Information

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|--------------------------|---------------------------------|
| Application | WB, IP |
| Primary Accession | P09543 |
| Other Accession | P16330 |
| Reactivity | Human, Mouse, Rat, Monkey, SARS |
| Host | Rabbit |
| Clonality | Polyclonal |
| Calculated MW | 47579 |

Additional Information

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|---------------------------|---|
| Gene ID | 1267 |
| Other Names | 2', 3'-cyclic-nucleotide 3'-phosphodiesterase; CNP; CNPase |
| Target/Specificity | KLH-conjugated synthetic peptide encompassing a sequence within the center region of human CNPase. The exact sequence is proprietary. |
| Dilution | WB~~WB (1/500 - 1/1000), IP (1/10 - 1/100) IP~~N/A |
| Format | Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide. |
| Storage | Store at -20 °C. Stable for 12 months from date of receipt |

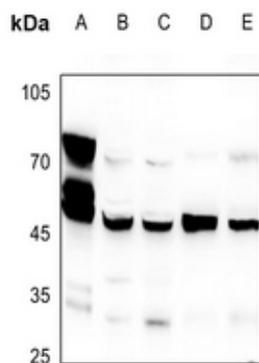
Protein Information

| | |
|--------------------------|---|
| 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

KLH-conjugated synthetic peptide encompassing a sequence within the center region of human CNPase. The exact sequence is proprietary.

Images



Western blot analysis of CNPase expression in mouse brain (A), PC12 (B), CT12 (C), SGC7901 (D), K562 (E) whole cell lysates.

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