

CNPase Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP02038
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	The antiserum was produced against synthesized peptide derived from human CNPase. AA range:59-108
Mol wt	47579
Species reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Recommended application	WB, IHC-p, ELISA
Concentration	1 mg/ml
Full name	CNPase Antibody
Synonyms	CNP; 2', 3'-cyclic-nucleotide 3'-phosphodiesterase; CNP; CNPase

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

2',3'-cyclic nucleotide-3'-phosphodiesterase (CNPase) is a membrane-bound enzyme that can link tubulin to membranes and may regulate cytoplasmic microtubule distribution. CNPase acts as a microtubule-associated protein by promoting microtubule assembly; this activity resides in the C-terminus of the enzyme. CNPase is firmly associated with tubulin from brain tissue and thyroid cells and can be found at high concentrations in central nervous system myelin and in the outer segments of photoreceptors in the retina. Acute lead intoxication leads to disturbances in CNPase activity and the morphology of myelin.

Recommended Dilution

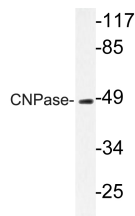
WB: 1: 500 - 1: 2000

IHC: 1: 100 - 1: 300

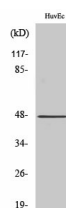
ELISA: 1: 40000

Not yet tested in other applications.

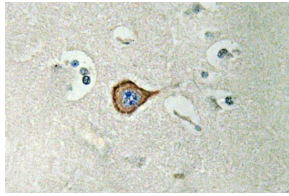
Images



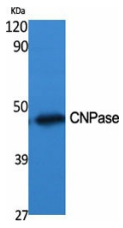
Western blot analysis of lysate from HUVEC cells, using CNPase antibody.



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



Immunohistochemistry analysis of CNPase antibody in paraffin-embedded human brain tissue.



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

Storage

-20°C for one year

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