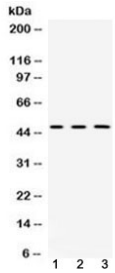
CNPase Antibody / CNP (R32598)

Catalog No.	Formulation	Size
R32598	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide
UniProt	P09543
Applications	Western blot: 0.5-1ug/ml
Limitations	This CNPase antibody is available for research use only.



Western blot testing of 1) rat brain, 2) mouse brain and 3) human HeLa lysate with CNPase antibody at 0.5ug/ml. Predicted molecular weight ~47 kDa.

Description

2',3'-Cyclic-nucleotide 3'-phosphodiesterase, also known as CNPase, is an enzyme that in humans is encoded by the CNP gene. And this gene is mapped to 17q21.2. CNPase is named for its ability to catalyze the phosphodiester hydrolysis of 2',3'-cyclic nucleotides to 2'-nucleotides. CNPase is thought to play a critical role in the events leading up to myelination. Additionally, CNPase has been demonstrated to inhibit the replication of HIV-1 and other primate lentiviruses by binding the retroviral Gag protein and inhibiting the genesis of nascent viral particles.

Application Notes

Optimal dilution of the CNPase antibody should be determined by the researcher.

Immunogen

Amino acids 142-178 (QYQVVLVEPKTAWRLDCAQLKEKNQWQLSADDLKKLK-human) were used as the immunogen for the CNPase antibody.

Storage

After reconstitution, the CNPase antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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