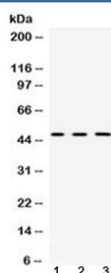


CNPase Antibody / CNP (R32598)

| 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 |
| 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 (QYQVVLVEPKTAWRLDCAQLKEKNQWQLSADDLKCLK-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.