10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

PPP3R1 Antibody (N-term) Blocking Peptide

Synthetic peptide
Catalog # BP9109a

Specification

PPP3R1 Antibody (N-term) Blocking Peptide - Product Information

Primary Accession P63098

PPP3R1 Antibody (N-term) Blocking Peptide - Additional Information

Gene ID 5534

Other Names
Calcineurin subunit B type 1, Protein phosphatase 2B regulatory subunit 1, Protein phosphatase 3 regulatory subunit B alpha isoform 1, PPP3R1, CNA2, CNB

Target/Specificity
The synthetic peptide sequence used to generate the antibody AP9109a was selected from the N-term region of human PPP3R1. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

PPP3R1 Antibody (N-term) Blocking Peptide - Protein Information

Name PPP3R1

Synonyms CNA2, CNB

Function
Regulatory subunit of calcineurin, a calcium-dependent, calmodulin stimulated protein phosphatase. Confers calcium sensitivity.

Cellular Location
Cytoplasm, cytosol {ECO:0000250|UniProtKB:Q63810}. Cell membrane {ECO:0000250|UniProtKB:Q63810}. Cell membrane, sarcolemma {ECO:0000250|UniProtKB:Q63810}. Cell membrane; Lipid-anchor. Note=Translocates from the cytosol to the sarcolemma in a CIB1-dependent manner during cardiomyocyte hypertrophy. {ECO:0000250|UniProtKB:Q63810}

10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

PPP3R1 Antibody (N-term) Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Blocking Peptides

PPP3R1 Antibody (N-term) Blocking Peptide - Images

PPP3R1 Antibody (N-term) Blocking Peptide - Background

PPP3R1 is regulatory subunit of calcineurin, a calcium-dependent, calmodulin stimulated protein phosphatase. Confers calcium sensitivity.

PPP3R1 Antibody (N-term) Blocking Peptide - References

Yerges,L.M., et.al., J. Bone Miner. Res. 24 (12), 2039-2049 (2009)Rodriguez,A., et.al., Mol. Cell 33 (5), 616-626 (2009)