

Anti-Calcineurin A/PPP3CA Antibody Picoband™

Catalog Number: PB9382

About PPP3CA

Calcineurin A is also known as PPP3CA. It is mapped to 4q24. Semsarian et al. (1999) and Musaro et al. (1999) independently showed that IGF1 stimulates skeletal muscle hypertrophy and a switch to glycolytic metabolism by activating calcineurin A and inducing the nuclear translocation of transcription factor NFATC1. Semsarian et al. (1999) found that hypertrophy was suppressed by the calcineurin inhibitors cyclosporin A or FK506, but not by inhibitors of the MAP kinase or phosphatidylinositol-3-OH kinase pathways. Musaro et al. (1999) showed that expression of a dominant-negative calcineurin mutant also repressed myocyte differentiation and hypertrophy. Musaro et al. (1999) demonstrated that either IGF1 or activated calcineurin induces expression of transcription factor GATA2, which accumulates in a subset of myocyte nuclei, where it associates with calcineurin and a specific dephosphorylated isoform of NFATC1.

Overview

Product Name	Anti-Calcineurin A/PPP3CA Antibody Picoband™
Reactive Species	Human
Description	Boster Bio Anti-Calcineurin A/PPP3CA Antibody Picoband™ catalog # PB9382. Tested in WB applications. This antibody reacts with Human.
Application	WB
Clonality	Polyclonal
Formulation	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg NaN ₃ .
Storage Instructions	Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	Q08209

Technical Details

Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human Calcineurin A, different from the related mouse and rat sequences by one amino acid.
Predicted Reactive Species	Bovine
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot.
Cross Reactivity	No cross-reactivity with other proteins.
Isotype	Rabbit IgG

Form	Lyophilized
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Purification	Immunogen affinity purified.
Suggested Dilutions	Dilute the sample so that the expected range of concentrations fall within the detection range of this kit. If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples. Some PubMed article(s) citing the expression level of this target are as follows: Boster Bio's internal QC testing used: Western blot, 0.1-0.5ug/ml, Human

Anti-Calceinurin A/PPP3CA Antibody Picoband™ (PB9382) Images



Anti-Calceinurin A Picoband antibody, PB9382, Western blotting
All lanes: Anti Calceinurin A (PB9382) at 0.5ug/ml
Lane 1: HELA Whole Cell Lysate at 40ug
Lane 2: A549 Whole Cell Lysate at 40ug
Lane 3: COLO320 Whole Cell Lysate at 40ug
Predicted bind size: 59KD
Observed bind size: 84KD

1 Publications Citing This Product

1. PubMed ID: 25587324, Buckwheat Rutin Inhibits AngII-induced Cardiomyocyte Hypertrophy via Blockade of CaN-dependent Signal Pathway

Visit bosterbio.com/anti-calceinurin-a-picoband-trade-antibody-pb9382-boster.html to see all 1 publications.

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