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Anti-Calmodulin/CALM 1/2/3 Antibody Picoband®

Catalog Number: A06609-1

About CALM1/2/3

This gene encodes one of three calmodulin proteins which are members of the EF-hand calcium-binding protein family. Calcium-induced activation of calmodulin regulates and modulates the function of cardiac ion channels. Two pseudogenes have been identified on chromosome 7 and X. Multiple transcript variants encoding different isoforms have been found for this gene.A missense mutation in the CALM1 gene has been associated with ventricular tachycardia.

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Overview

Product Name	Anti-Calmodulin/CALM 1/2/3 Antibody Picoband®
Reactive Species	Mouse, Rat
Description	Boster Bio Anti-Calmodulin/CALM 1/2/3 Antibody Picoband® catalog # A06609-1. Tested in WB applications. This antibody reacts with Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Application	WB
Clonality	Polyclonal
Formulation	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4.
Storage Instructions	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 freezing and thawing.
Host	Rabbit
Uniprot ID	P0DP23/P0DP24/P0DP25

Technical Details

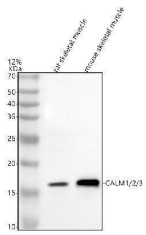
Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of human Calmodulin/CALM 1/2/3.
Form	Lyophilized

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Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Purification	Immunogen affinity purified.
Suggested Dilutions	Western blot, 0.25-0.5 ug/ml, Mouse, Rat

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Anti-Calmodulin/CALM 1/2/3 Antibody Picoband® (A06609-1) Images



Western blot analysis of Calmodulin/CALM 1/2/3 using anti-Calmodulin/CALM 1/2/3 antibody (A06609-1). Electrophoresis was performed on a 12% SDS-PAGE gel at 80V (Stacking gel) / 120V (Resolving gel) for 2 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: rat skeletal muscle tissue lysates, Lane 2: mouse skeletal muscle tissue lysates..After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-Calmodulin/CALM 1/2/3 antigen affinity purified polyclonal antibody (A06609-1) at 0.5 ug/mL overnight at 4°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an ECL Plus Western Blotting Substrate (Catalog # AR1196-200) with Tanon 5200 system. A specific band was detected for Calmodulin/CALM 1/2/3 at approximately 17 kDa. The expected band size for Calmodulin/CALM 1/2/3 is at 17 kDa.

Anti-Calmodulin/CALM 1/2/3 Antibody

For Research Use Only. Not for use in diagnostic procedures.