

Anti-Calmodulin Calm1 Antibody (Monoclonal, 6D4)

Catalog Number: MA1010

About Calm1

Calmodulin is the archetype of the family of calcium-modulated proteins of which nearly 20 members have been found. Calmodulin contains 149 amino acids and has 4 calcium-binding domains. Its functions include roles in growth and the cell cycle as well as in signal transduction and the synthesis and release of neurotransmitters. Three calmodulin genes (CALM1, CALM2, and CALM3) map to chromosomes 14q24-q31, 2p21.1-p21.3, and 19q13.2-q13.3, respectively.

Overview

Product Name	Anti-Calmodulin Calm1 Antibody (Monoclonal, 6D4)
Reactive Species	Chicken, Rat
Description	Boster Bio Anti-Calmodulin Calm1 Antibody (Monoclonal, 6D4) catalog # MA1010. Tested in WB applications. This antibody reacts with Chicken, Rat.
Application	WB
Clonality	Monoclonal 6D4
Formulation	Mouse ascites fluid, 1.2% sodium acetate, 2mg BSA, with 0.01mg NaN ₃ as preservative.
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	Mouse
Uniprot ID	P62161

Technical Details

Immunogen	Preparation of purified calmodulin from Dictyostelium discoideum conjugated to KLH.
Predicted Reactive Species	Chicken
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Mouse IgG (EK1001) for Western blot.
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Mouse IgG1
Form	Lyophilized
Concentration	Adding 1 ml of PBS buffer will yield a concentration of 100 ug/ml.
Purification	Ascites

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, 0.5ug/ml, Chicken, rat

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