

Anti-Caldesmon (Smooth) Cald1 Antibody (Monoclonal, hHCD)

Catalog Number: MA1009

About Cald1

Caldesmon is a potential actomyosin regulatory protein found in smooth muscle and nonmuscle cells. The predicted smooth-muscle polypeptide is 793 amino acids long. The high molecular weight caldesmon (h-CaD) is predominantly expressed in smooth muscles, whereas the low molecular weight caldesmon (l-CaD) is widely distributed in nonmuscle tissues and cells. Hayashi et al. (1992) demonstrated that the human CDM gene is composed of 14 exons.

Overview

Product Name	Anti-Caldesmon (Smooth) Cald1 Antibody (Monoclonal, hHCD)
Reactive Species	Human, Mouse, Rabbit
Description	Boster Bio Anti-Caldesmon (Smooth) Cald1 Antibody (Monoclonal, hHCD) catalog # MA1009. Tested in IHC, WB applications. This antibody reacts with Human, Mouse, Rabbit.
Application	IHC, WB
Clonality	Monoclonal hHCD
Formulation	Mouse ascites fluid, 1.2% sodium acetate, 2mg BSA, with 0.01mg NaN ₃ as preservative.
Storage Instructions	At -20°C for one year and at 4°C for one month from date of receipt. Avoid repeated freezing and thawing.
Host	Mouse
Uniprot ID	Q62736

Technical Details

Immunogen	Human uterus smooth muscle extract.
Predicted Reactive Species	Bovine, Canine, Chicken, Monkey
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Mouse IgG (EK1001) for Western blot, and HRP Conjugated anti-Mouse IgG Super Vision Assay Kit (SV0001-1) for IHC(P).
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Mouse IgG1
Form	Lyophilized
Concentration	Add 1ml 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.

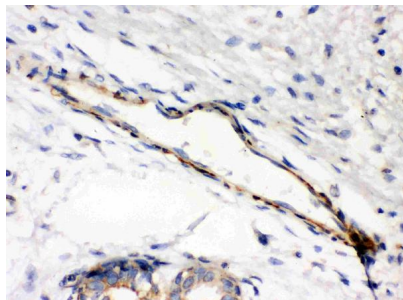
If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.

Some PubMed article(s) citing the expression level of this target are as follows:

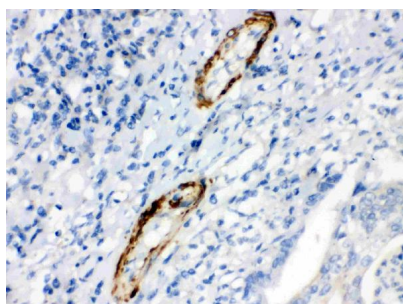
Boster Bio's internal QC testing used:

Immunohistochemistry (Paraffin-embedded Section), 0.5-1ug/ml, Human, mouse, rabbit, By Heat
Western blot, 0.25-0.5ug/ml, Human, mouse, rabbit

Anti-Caldesmon (Smooth) Cald1 Antibody (Monoclonal, hHCD) (MA1009) Images



Anti-Caldesmon(smooth) antibody, MA1009, IHC(P)
IHC(P): Human Mammary Cancer Tissue



Anti-Caldesmon(smooth) antibody, MA1009, IHC(P)
IHC(P): Human Intestinal Cancer Tissue

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