

## Anti-Caldesmon (Smooth) Cald1 Antibody (Monoclonal, 35C53)

Catalog Number: M04578-3

### 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, 35C53)
Reactive Species	Human, Mouse, Rabbit
Description	Boster Bio Anti-Caldesmon (Smooth) Cald1 Antibody (Monoclonal, 35C53) catalog # M04578-3. Tested in IHC, WB applications. This antibody reacts with Human, Mouse, Rabbit.
Application	IHC, WB
Clonality	Monoclonal 35C53
Formulation	Mouse IgG in stabilizing components, 1.2% sodium acetate and 0.01mg NaN <sub>3</sub> .
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.
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	Immunohistochemistry (Paraffin-embedded Section), 0.5-1ug/ml, Human, mouse, rabbit

Western blot, 0.25-0.5ug/ml, Human, mouse, rabbit

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