

9853 Pacific Heights Blvd. Suite D. San Diego, CA 92121, USA Tel: 858-263-4982

Email: info@abeomics.com

## 39-1008: Anti-Caldesmon(smooth) Monoclonal Antibody (Clone: hHCD)

Clonality: Monoclonal **Clone Name:** hHCD Application: WB.IHC-P Reactivity: Human Gene: CALD1 Gene ID: 800 **Uniprot ID:** Q05682 **Alternative Name:** CAD, CDM Isotype: Mouse IgG1

Immunogen Information: Human uterus smooth muscle extract.

## **Description**

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.

## **Product Info**

**Content:** Each vial contains 50% glycerol, 1.2% Sodium acetate, 1% BSA, 0.02% NaN3. **Storage condition:** At -20°C for one year, at 4°C for one month. Avoid repeated freezing and thawing.

## **Application Note**

Western blot :  $0.25-0.5\tilde{A}$   $\hat{A}^{1/4}g/ml$ ; Immunohistochemistry(Paraffin-embedded Section) :  $0.5-1\tilde{A}$   $\hat{A}^{1/4}g/ml$ 

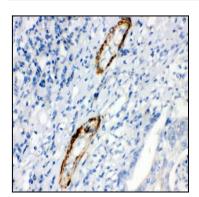


Figure 1: Anti-Caldesmon(smooth) antibody(39-1008). IHC(P): Human Intestinal Cancer Tissue.



9853 Pacific Heights Blvd. Suite D. San Diego, CA 92121, USA Tel: 858-263-4982

Email: info@abeomics.com

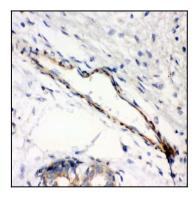


Figure 2: Anti-Caldesmon(smooth) antibody(39-1008) . IHC(P): Human Mammary Cancer Tissue.