

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

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	hHCD
<b>Application :</b>	WB,IHC-P
<b>Reactivity :</b>	Human
<b>Gene :</b>	CALD1
<b>Gene ID :</b>	800
<b>Uniprot ID :</b>	Q05682
<b>Alternative Name :</b>	CAD, CDM
<b>Isotype :</b>	Mouse IgG1
<b>Immunogen Information :</b>	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

<b>Amount :</b>	100 µg/vial
<b>Purification :</b>	Ascites
<b>Content :</b>	Each vial contains 50% glycerol, 1.2% Sodium acetate, 1% BSA, 0.02% NaN <sub>3</sub> .
<b>Storage condition :</b>	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 µg/ml; Immunohistochemistry(Paraffin-embedded Section) : 0.5-1 µg/ml

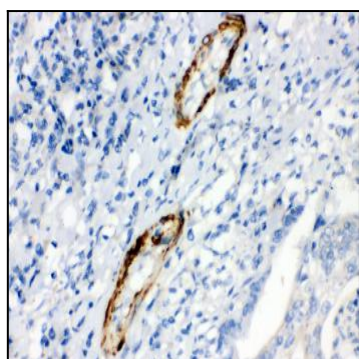


Figure 1: Anti-Caldesmon(smooth) antibody(39-1008). IHC(P): Human Intestinal Cancer Tissue.

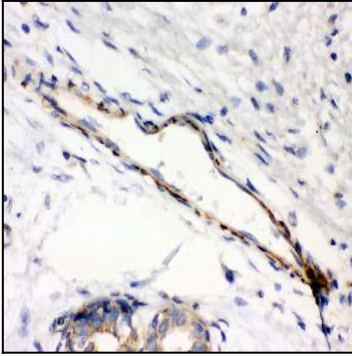


Figure 2: Anti-Caldesmon(smooth) antibody(39-1008) . IHC(P): Human Mammary Cancer Tissue.