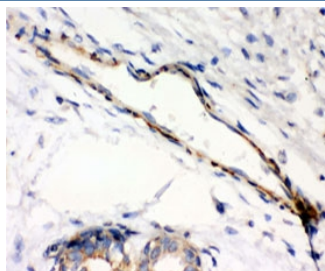


Caldesmon Antibody / CALD1 / CAD (smooth muscle) [clone hHCD] (R30008)

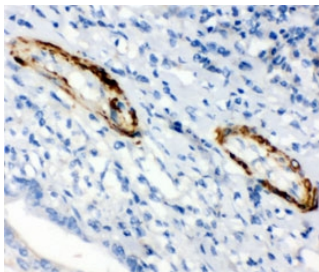
Catalog No.	Formulation	Size
R30008	Lyophilized mouse ascites with 1% BSA and 0.01% sodium azide	100 ug

[Bulk quote request](#)

Availability	1-3 business days
Species Reactivity	Human, Mouse, Rabbit
Format	Ascites
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1
Clone Name	hHCD
Purity	Ascites
Buffer	1X PBS
Gene ID	800
Localization	Cytoplasmic
Applications	Western Blot : 0.25-0.5ug/ml IHC (FFPE) : 0.5-1ug/ml
Limitations	This Caldesmon antibody is available for research use only.



IHC testing of FFPE human breast cancer with Caldesmon antibody (clone CD-7). HIER: steamed with pH6 citrate buffer.



IHC testing of FFPE human intestinal cancer with Caldesmon antibody (clone CD-7).
HIER: steamed with pH6 citrate buffer.

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.

Application Notes

The stated application concentrations are suggested starting amounts. Titration of the Caldesmon antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

Human uterus smooth muscle extract was used as the immunogen for this Caldesmon antibody.

Storage

The Caldesmon antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.