

Datasheet for ABIN7146462  
**anti-Caldesmon antibody (AA 1-240)**[Go to Product page](#)

## 3 Images

## Overview

Quantity:	100 µL
Target:	Caldesmon (CALD1)
Binding Specificity:	AA 1-240
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Caldesmon antibody is un-conjugated
Application:	Immunohistochemistry (IHC), ELISA

## Product Details

Immunogen:	Recombinant Human Caldesmon protein (1-240AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	Antigen Affinity Purified

## Target Details

Target:	Caldesmon (CALD1)
Alternative Name:	CALD1 ( <a href="#">CALD1 Products</a> )
Background:	Background: Actin- and myosin-binding protein implicated in the regulation of actomyosin interactions in smooth muscle and nonmuscle cells (could act as a bridge between myosin and

## Target Details

actin filaments). Stimulates actin binding of tropomyosin which increases the stabilization of actin filament structure. In muscle tissues, inhibits the actomyosin ATPase by binding to F-actin. This inhibition is attenuated by calcium-calmodulin and is potentiated by tropomyosin. Interacts with actin, myosin, two molecules of tropomyosin and with calmodulin. Also play an essential role during cellular mitosis and receptor capping. Involved in Schwann cell migration during peripheral nerve regeneration.

Aliases: CAD antibody, CALD 1 antibody, CALD1 antibody, CALD1\_HUMAN antibody, Caldesmon 1 antibody, Caldesmon 1 Isoform 1 antibody, Caldesmon 1 Isoform 2 antibody, Caldesmon 1 Isoform 3 antibody, Caldesmon 1 Isoform 4 antibody, Caldesmon 1 Isoform 5 antibody, Caldesmon antibody, Caldesmon1 antibody, CDM antibody, H CAD antibody, HCAD antibody, L CAD antibody, LCAD antibody, MGC21352 antibody, NAG22 antibody

UniProt: [Q05682](#)

Pathways: [Myometrial Relaxation and Contraction](#)

## Application Details

Application Notes: Recommended dilution: IHC:1:20-1:200,

Restrictions: For Research Use only

## Handling

Format: Liquid

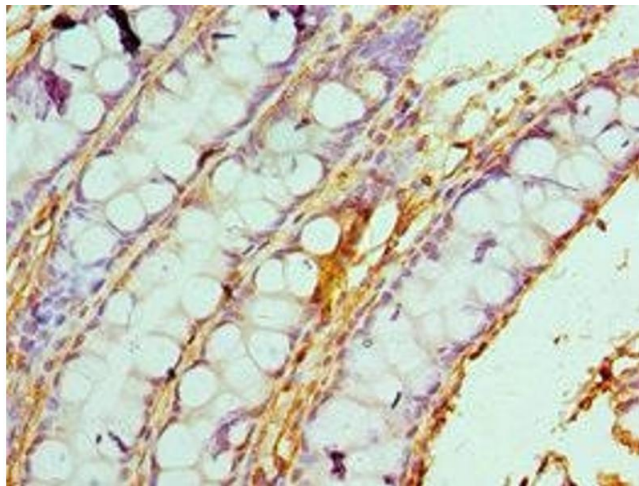
Buffer: PBS with 0.02 % sodium azide, 50 % glycerol, pH 7.3.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

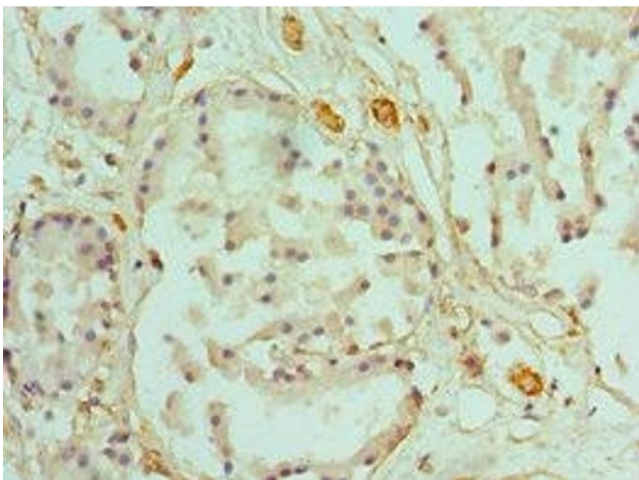
Storage: -20 °C,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



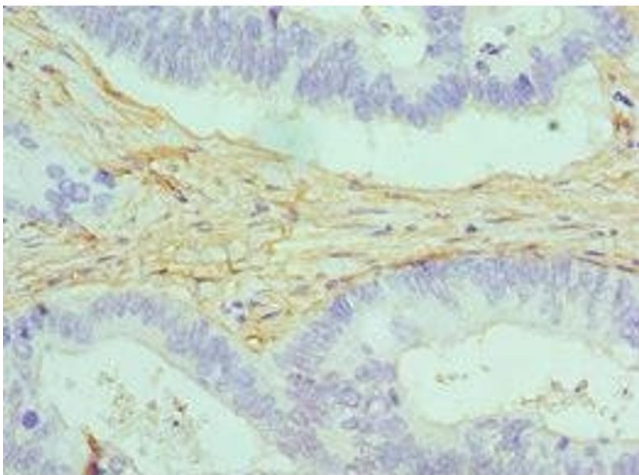
#### Immunohistochemistry

**Image 1.** Immunohistochemistry of paraffin-embedded human colon tissue using ABIN7146462 at dilution of 1:100



#### Immunohistochemistry

**Image 2.** Immunohistochemistry of paraffin-embedded human prostate tissue using ABIN7146462 at dilution of 1:100



#### Immunohistochemistry

**Image 3.** Immunohistochemistry of paraffin-embedded human colon cancer using ABIN7146462 at dilution of 1:100