

## 产品概述

产品名 ( Product Name )	Calponin-1 mouse monoclonal antibody
货号 ( Catalog No. )	ATDA00011
种类 ( Category )	Primary antibody
宿主 ( Host )	Mouse
反应种属 ( Species specificity )	This antibody detects endogenous levels of human Calponin-1. Heat-induced epitope retrieval (HIER) Citrate buffer of pH6.0 was highly recommended as antigen repair method in paraffin section
应用实验 ( Tested applications )	IHC-p
克隆性 ( Clonality )	Monoclonal
免疫原 ( Immunogen )	Synthesized peptide derived from human Calponin-1.
别名	Calponin-1,Basic calponin,Calponin H1,smooth muscle,CNN1
Uniprot ID	P51911

## 产品性能

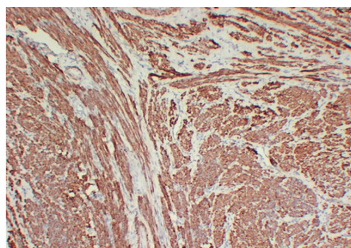
状态 ( Form )	Liquid
储存溶液 ( Buffer )	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
存放条件 ( Storage )	Stored at -20°C.Avoid repeated freeze-thaw cycles.
浓度 ( Concentration )	1 mg/ml
亚型 ( Isotype )	IgG

## 应用

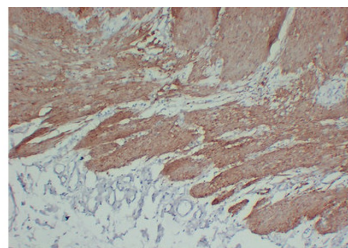
IHC-p:1:100-1:500

## 产品实验图片

## Calponin-1 mouse monoclonal antibody



Immunohistochemical analysis of paraffin-embedded Liomyoma. 1, Antibody was diluted at 1:200 (4°C overnight). 2, Citric acid, pH6.0 was used for antigen retrieval. 3, Secondary antibody was diluted at 1:200 (room temperature, 30min).



Immunohistochemical analysis of paraffin-embedded Colon. 1, Antibody was diluted at 1:200 (4°C overnight). 2, Citric acid, pH6.0 was used for antigen retrieval. 3, Secondary antibody was diluted at 1:200 (room temperature, 30min).

### 产品背景

**Function:** Thin filament-associated protein that is implicated in the regulation and modulation of smooth muscle contraction. It is capable of binding to actin, calmodulin, troponin C and tropomyosin. The interaction of calponin with actin inhibits the actomyosin Mg-ATPase activity. **similarity:** Belongs to the calponin family. **similarity:** Contains 1 CH (calponin-homology) domain. **similarity:** Contains 3 calponin-like repeats. **subunit:** Part of cGMP kinase signaling complex at least composed of ACTA2/alpha-actin, CNN1/calponin H1, PLN/phospholamban, PRKG1 and ITPR1. **tissue specificity:** Smooth muscle, and tissues containing significant amounts of smooth muscle.