Datasheet for ABIN7101568

anti-CNN1 antibody

5 Images

Go to Product page

Overview

Quantity:	20 µL
Target:	CNN1
Reactivity:	Human
Host:	Rabbit
Clonality:	Monoclonal
Conjugate:	This CNN1 antibody is un-conjugated
Application:	Immunofluorescence (IF), Immunohistochemistry (IHC), Western Blotting (WB)

Product Details

Immunogen:	A synthesized peptide derived from human Calponin
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Monoclonal Antibodies
Purification:	Affinity purification

Target Details

Target:	CNN1
Alternative Name:	CNN1 (CNN1 Products)
Background:	Thin filament-associated protein that is implicated in the regulation and modulation of smooth muscle contraction. It is capable of binding to actin, calmodulin and tropomyosin. The

Target Details

	interaction of calponin with actin inhibits the actomyosin Mg-ATPase activity (By similarity.,HEL-S-14, SMCC, Sm-Calp,Cardiovascular,Cardiovascular Markers,Cardiovascular Markers_Smooth Muscle Cells,Cell Biology & Developmental Biology,Cytoskeleton,Cytoskeleton_Microfilaments,Mesenchymal Stem Cells,Signal Transduction,Stem Cells,CNN1
Molecular Weight:	34 kDa
Gene ID:	1264
UniProt:	P51911

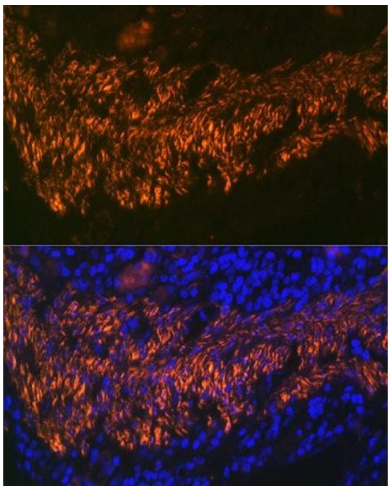
Application Details

Application Notes:	WB,1:500 - 1:2000,IHC,1:50 - 1:200,IF,1:50 - 1:200
Restrictions:	For Research Use only

Handling

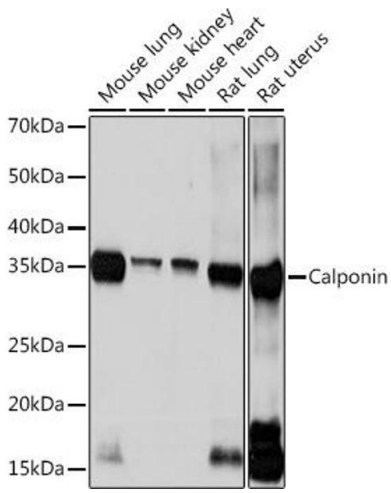
Buffer:	PBS with 0.02 % sodium azide,0.05 % BSA,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.

Images



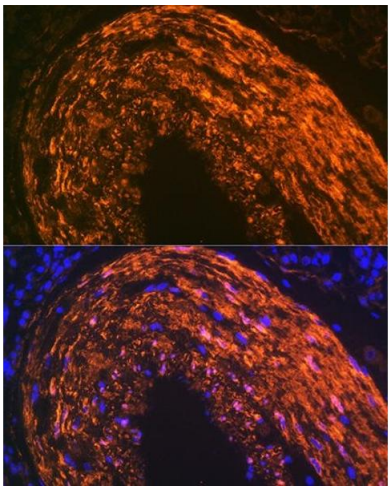
Immunofluorescence

Image 1. Immunofluorescence analysis of human colon carcinoma using Calponin Rabbit mAb (ABIN1678670, ABIN3018018, ABIN3018019 and ABIN7101568) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



Western Blotting

Image 2. Western blot analysis of extracts of various cell lines, using Calponin Rabbit mAb (ABIN1678670, ABIN3018018, ABIN3018019 and ABIN7101568) at 1:1000 dilution.Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution.Lysates/proteins: 25 µg per lane.Blocking buffer: 3 % nonfat dry milk in TBST.Detection: ECL Basic Kit (RM00020).Exposure time: 10s.



Immunofluorescence

Image 3. Immunofluorescence analysis of mouse large intestine using Calponin Rabbit mAb (ABIN1678670, ABIN3018018, ABIN3018019 and ABIN7101568) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.

Please check the product details page for more images. Overall 5 images are available for ABIN7101568.