

For Research Use Only

# CoraLite®594-conjugated Calponin Polyclonal antibody

Catalog Number:CL594-13938

Featured Product



## Basic Information

### Catalog Number:

CL594-13938

### Size:

100ul , Concentration: 1000 ug/ml by Nanodrop;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG4989

### GenBank Accession Number:

BC022015

### GeneID (NCBI):

1264

### UNIPROT ID:

P51911

### Full Name:

calponin 1, basic, smooth muscle

### Calculated MW:

33 kDa

### Observed MW:

35 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

IF-P 1:50-1:500

IF/ICC 1:50-1:500

### Excitation/Emission maxima wavelengths:

588 nm / 604 nm

## Applications

### Tested Applications:

IF/ICC, IF-P

### Species Specificity:

human, mouse, rat

### Positive Controls:

IF-P : mouse heart tissue,

IF/ICC : C2C12 cells,

## Background Information

Calponin is a family of actin filament-associated proteins which regulate smooth muscle cell contraction. Three isoforms of calponin exist: calponin h1 (CNN1) , calponin h2 (CNN2) and calponin 3 (CNN3). CNN1 is a basic 34-kD protein specifically expressed in smooth muscle and a marker of smooth muscle cell differentiation. This antibody raised against the full-length of human CNN1 may cross-react with CNN2 and CNN3.

## Storage

### Storage:

Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

### Storage Buffer:

PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

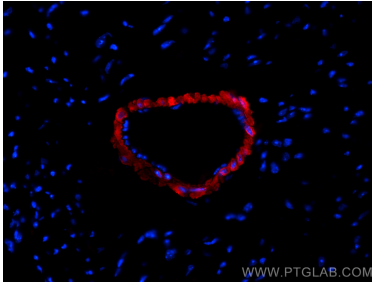
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

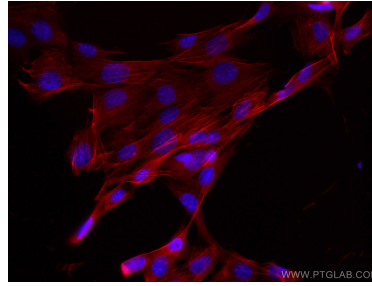
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse heart tissue using CoraLite®594 Calponin antibody (CL594-13938) at dilution of 1:200. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Methanol) fixed C2C12 cells using CoraLite®594 Calponin antibody (CL594-13938) at dilution of 1:200.