

For Research Use Only

CoraLite®594-conjugated Calponin Polyclonal antibody

Catalog Number:CL594-13938



Basic Information

Catalog Number:

CL594-13938

Size:

1000 ug/ml

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:

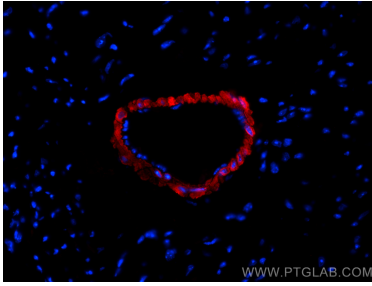
T: 4006900926

E: Proteintech-CN@ptglab.com

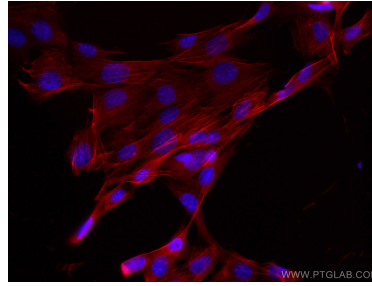
W: ptgcn.com

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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.