

For Research Use Only

CoraLite®594-conjugated Calponin Polyclonal antibody



Catalog Number:CL594-13938

Basic Information

Catalog Number: CL594-13938	GenBank Accession Number: BC022015	Purification Method: Antigen affinity purification
Size: 1000 µg/ml	GeneID (NCBI): 1264	Recommended Dilutions: IF 1:50-1:500
Source: Rabbit	UNIPROT ID: P51911	Excitation/Emission maxima wavelengths: 588 nm / 604 nm
Isotype: IgG	Full Name: calponin 1, basic, smooth muscle	
Immunogen Catalog Number: AG4989	Calculated MW: 33 kDa	
	Observed MW: 35 kDa	

Applications

Tested Applications: IF/ICC	Positive Controls: IF : C2C12 cells,
Species Specificity: human, mouse, rat	

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.
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:

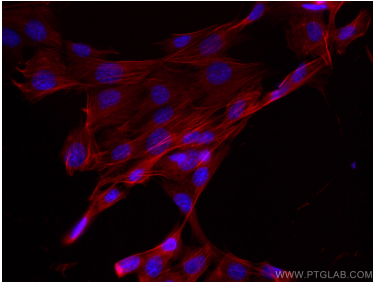
T: 4006900926

E: Proteintech-CN@ptglab.com

W: ptgcn.com

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Selected Validation Data



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