

For Research Use Only



CoraLite® Plus 488-conjugated Calponin Recombinant monoclonal antibody

Catalog Number: **CL488-86977-4**

Basic Information

Catalog Number: CL488-86977-4	GenBank Accession Number: BC022015	Purification Method: Protein A purification
Source: Rabbit	GeneID (NCBI): 1264	CloneNo.: 252040C7
Isotype: IgG	UNIPROT ID: P51911	Recommended Dilutions: IF-P: 1:50-1:500
Immunogen Catalog Number: AG21384	Full Name: calponin 1, basic, smooth muscle	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
	Calculated MW: 33 kDa	
	Observed MW: 34 kDa	

Applications

Tested Applications: IF-P	Positive Controls: IF-P: mouse heart tissue,
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-kDa protein specifically expressed in smooth muscle and a marker of smooth muscle cell differentiation.

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, pH7.3
Aliquoting is unnecessary for -20°C storage

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

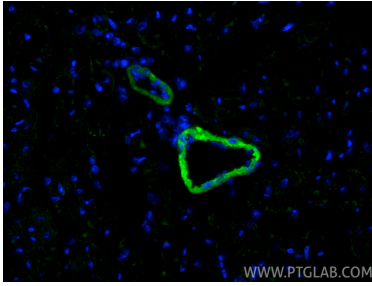
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse heart tissue using CoraLite® Plus 488 Calponin antibody (CL488-86977-4, Clone: 252040C7) at dilution of 1:200. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).