For Research Use Only

Calponin Polyclonal antibody

Catalog Number:13938-1-AP

Featured Product 52 Publications

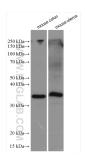


Basic Information	Catalog Number: 13938-1-AP	GenBank Accession Number: BC022015		Purification Method: Antigen affinity purification						
	Size:	GenelD (NCBI):		Recommended Dilutions:						
	150ul , Concentration: 500 ug/ml by	1264 UNIPROT ID: P51911 Full Name: calponin 1, basic, smooth muscle Calculated MW: 33 kDa Observed MW: 35 kDa		WB 1:5000-1:50000 IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate IHC 1:2000-1:8000 IF-P 1:50-1:500 IF/ICC 1:200-1:800						
	Nanodrop;									
	Source: Rabbit Isotype: IgG Immunogen Catalog Number: AG4989									
					Applications	Tested Applications: Positive Cor			trols:	
						Cited Applications:lung tissue,WB, IHC, IFIP : mouse lSpecies Specificity:IHC : humanhuman, mouse, rattissue, humCited Species:cancer tissue		WB: mouse	WB : mouse colon tissue, mouse heart tissue, mouse lung tissue, mouse uterus tissue	
								lung tissue,		
								IP : mouse lung tissue,		
								IHC : human	IHC : human appendicitis tissue, human ovary tumo tissue, human hysteromyoma tissue, human breast	
e, human bladder tissue, human skin an heart tissue										
TE buffer pH 9.0; (*) Alternatively, antigen		IF-P : mouse	heart tissue.							
		IF/ICC : C2C	12 cells,							
Background Information	isoforms of calponin exist: calponin	h1 (CNN1) , calponin ooth muscle and a m	h2 (CNN2) and ca arker of smooth r	nuscle cell differentiation. This antiboo						
	isoforms of calponin exist: calponin protein specifically expressed in sm raised against the full-length of hun	h1 (CNN1) , calponin ooth muscle and a m aan CNN1 may cross-	h2 (CNN2) and ca arker of smooth r	lponin 3 (CNN3). CNN1 is a basic 34-kE nuscle cell differentiation. This antiboc						
	isoforms of calponin exist: calponin protein specifically expressed in sm raised against the full-length of hun Author Pul	h1 (CNN1) , calponin ooth muscle and a m nan CNN1 may cross- bmed ID Jou	h2 (CNN2) and ca barker of smooth r react with CNN2 a	lponin 3 (CNN3). CNN1 is a basic 34-kC nuscle cell differentiation. This antiboc and CNN3.						
	isoforms of calponin exist: calponin protein specifically expressed in sm raised against the full-length of hum Author Pul Yang Yang 31	h1 (CNN1) , calponin ooth muscle and a m nan CNN1 may cross- bmed ID Jou 523025 Act	h2 (CNN2) and ca parker of smooth r react with CNN2 a urnal	lponin 3 (CNN3). CNN1 is a basic 34-kC nuscle cell differentiation. This antiboo and CNN3. Application IF						
Background Information Notable Publications	isoforms of calponin exist: calponin protein specifically expressed in sm raised against the full-length of hum Author Pul Yang Yang 31 Yan Yan 36	h1 (CNN1) , calponin ooth muscle and a m nan CNN1 may cross- bmed ID Jou 523025 Act 068532 Rej	h2 (CNN2) and ca harker of smooth r react with CNN2 : urnal ta Biomater	lponin 3 (CNN3). CNN1 is a basic 34-kC nuscle cell differentiation. This antiboo and CNN3. Application IF						

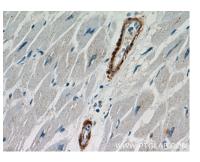
For technical support and original validation data for this product please contact: T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free E: proteintech@ptglab.com in USA), or 1(312) 455-8498 (outside USA) W: ptglab.com

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

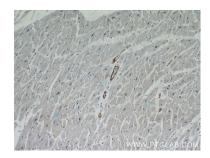
Selected Validation Data



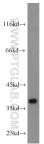
Various lysates were subjected to SDS PAGE followed by western blot with 13938-1-AP (Calponin antibody) at dilution of 1:30000 incubated at room temperature for 1.5 hours.



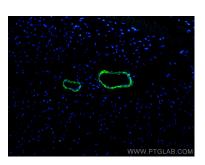
Immunohistochemical analysis of paraffinembedded human heart using 13938-1-AP (CNN1 antibody) at dilution of 1:50 (under 40x lens).



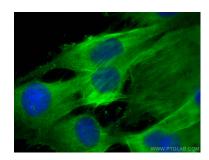
Immunohistochemical analysis of paraffinembedded human heart using 13938-1-AP (CNN1 antibody) at dilution of 1:50 (under 10x lens).



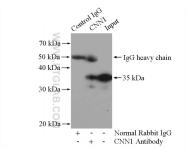
mouse heart tissue were subjected to SDS PAGE followed by western blot with 13938-1-AP (CNN1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



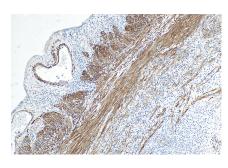
Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse heart tissue using Calponin antibody (13938-1-AP) at dilution of 1:200 and Multi-rAb Coralite ® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



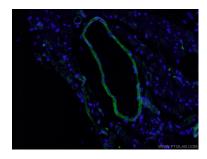
Immunofluorescent analysis of (-20°C Methanol) fixed C2C12 cells using Calponin antibody (13938-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



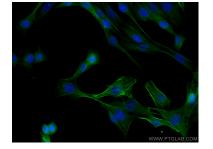
IP result of anti-Calponin (IP:13938-1-AP, 4ug; Detection:13938-1-AP 1:1000) with mouse lung tissue lysate 2800ug.

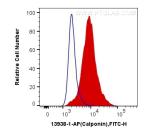


Immunohistochemical analysis of paraffinembedded human appendicitis tissue slide using 13938-1-AP (Calponin antibody) at dilution of 1:4000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed mouse heart tissue using 13938-1-AP (Calponin antibody) at dilution of 1:50 and Alexa Fluor 488conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).





Immunofluorescent analysis of (-20°C Methanol) fixed C2C12 cells using Calponin antibody (13938-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L). 1X10^6 C2C12 cells were intracellularly stained with 0.4 ug Anti-Human Calponin (13938-1-AP) and Coralite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).