

Nur für Forschungszwecke

Calponin Polyklonaler Antikörper

Katalog-Nr.: 13938-1-AP

Vorgestelltes Produkt

32 Publikationen



Allgemeine Informationen

Katalog-Nr.: 13938-1-AP	GenBank-Zugangsnummer: BC022015	Reinigungsmethode: Antigen-Affinitätsreinigung
Größe: 150ul, Konzentration: 500 µg/ml von Nanodrop;	GeneID (NCBI): 1264	Empfohlene Verdünnungen: WB 1:500-1:2000 IP 0.5-4.0 µg für IP und 1:500-1:2000 für WB
Wirt: Kaninchen	Vollständiger Name: calponin 1, basic, smooth muscle	IHC 1:50-1:4000 IF 1:50-1:500
Isotyp: IgG	Berechnete Masse: 33 kDa	
Immunogen Katalognummer: AG4989	Beobachtete Masse: 35 kDa	

Anwendungen

Geprüfte Anwendungen:
FC, IF, IHC, IP, WB, ELISA

In Publikationen genannte Anwendungen:
IF, IHC, WB

Getestete Reaktivität:
Human, Maus, Ratte

Zitierte Arten:
Hausschwein, Human, Maus, Ratte

Hinweis-IHC: Antigendemaskierung mit TE-Puffer pH 9,0 empfohlen. (*) Wahlweise kann die Antigendemaskierung auch mit Citratpuffer pH 6,0 erfolgen.

Positivkontrollen:

WB: Mausherzgewebe, Mauslungengewebe

IP: Mauslungengewebe,

IHC: humanes Herzgewebe, humanes Appendizitis-Gewebe, humanes Blasengewebe, humanes Hautgewebe, humanes Mammakarzinomgewebe, humanes Ovarialkarzinomgewebe, humanes Uterusmyomgewebe

IF: Mausherzgewebe, C2C12-Zellen

Hintergrundinformationen

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.

Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Yang Yang	31523025	Acta Biomater	IF
Yan Yan	36068532	Reprod Biol Endocrinol	IHC
Meng Wang	30651790	Exp Ther Med	IF

Lagerung

Lagerungsbedingungen:

Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil

Lagerungspuffer:

PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.

Aliquotieren ist nicht notwendig bei -20°C Lagerung

*** 20ul-Größen enthalten 0.1% BSA

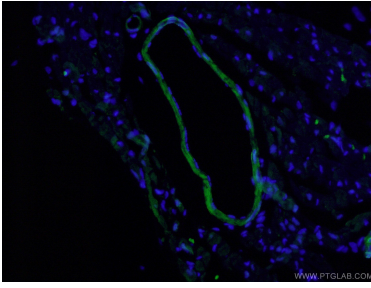
For technical support and original validation data for this product please contact:

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

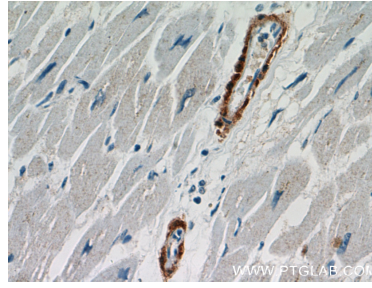
E: proteintech@ptglab.com
W: ptglab.com

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

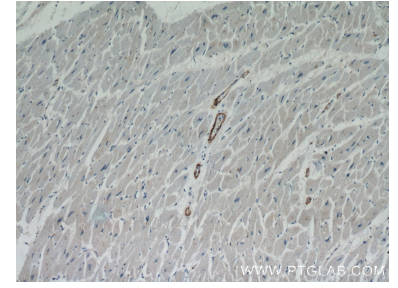
Ausgewählte Validierungsdaten



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



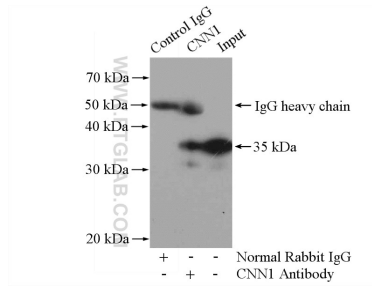
Immunohistochemical analysis of paraffin-embedded human heart using 13938-1-AP (CNN1 antibody) at dilution of 1:50 (under 40x lens).



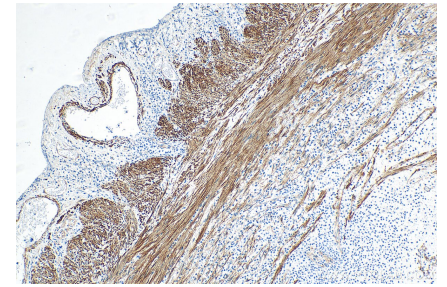
Immunohistochemical analysis of paraffin-embedded human heart using 13938-1-AP (CNN1 antibody) at dilution of 1:50 (under 10x lens).



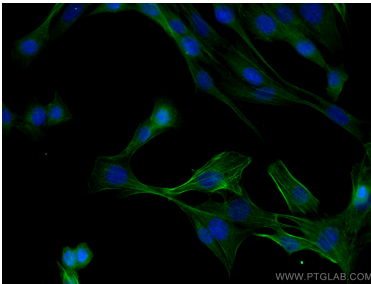
mouse heart tissue were subjected to SDS PAGE followed by western blot with 13938-1-AP (CNN1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



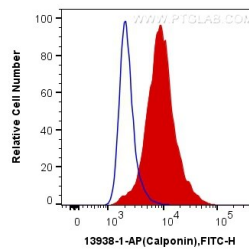
IP Result of anti-Calponin (IP:13938-1-AP, 4ug; Detection:13938-1-AP 1:1000) with mouse lung tissue lysate 2800ug.



Immunohistochemical analysis of paraffin-embedded 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 (-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).



1X10⁶ 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).