

Calponin Polyclonal Antibody

Catalog number: 13938-1-AP

Size: 37 µg/150 µl

Source: Rabbit

Isotype: IgG

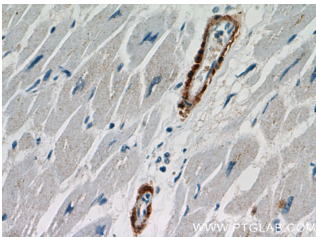
Synonyms:

CNN1; Basic calponin, Calponin,

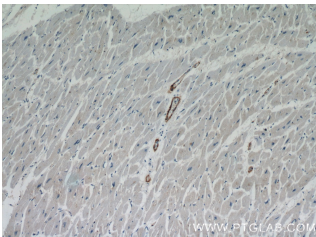
Calponin 1, Calponin H1,

smooth muscle, CNN1, Sm Calp,

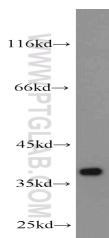
SMCC



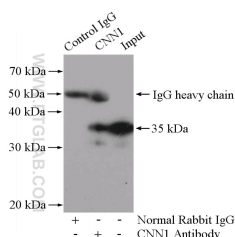
Immunohistochemical of paraffin-embedded human heart using 13938-1-AP(CNN1 antibody) at dilution of 1:50 (under 40x lens)



Immunohistochemical 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



IP Result of anti-Calponin

Background

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.

Applications

Tested applications:	ELISA, WB, IHC, IP
Species specificity:	Human, Mouse, Rat; other species not tested.
Calculated Calponin MW:	33 kDa
Observed Calponin MW:	35kd
Positive WB detected in	Mouse heart tissue, mouse lung tissue
Positive IP detected in	Mouse lung tissue
Positive IHC detected in	Human heart tissue, human bladder tissue, human breast cancer tissue, human hystero myoma tissue, human ovary tumor tissue, human skin tissue
Recommended dilution:	WB: 1:500-1:5000
	IP: 1:500-1:5000
	IHC: 1:20-1:200

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

Immunogen information

Immunogen:	Ag4989
GenBank accession number:	BC022015
Gene ID (NCBI):	1264
Full name:	Calponin 1, basic, smooth muscle

Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3. Store at -20°C.

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