



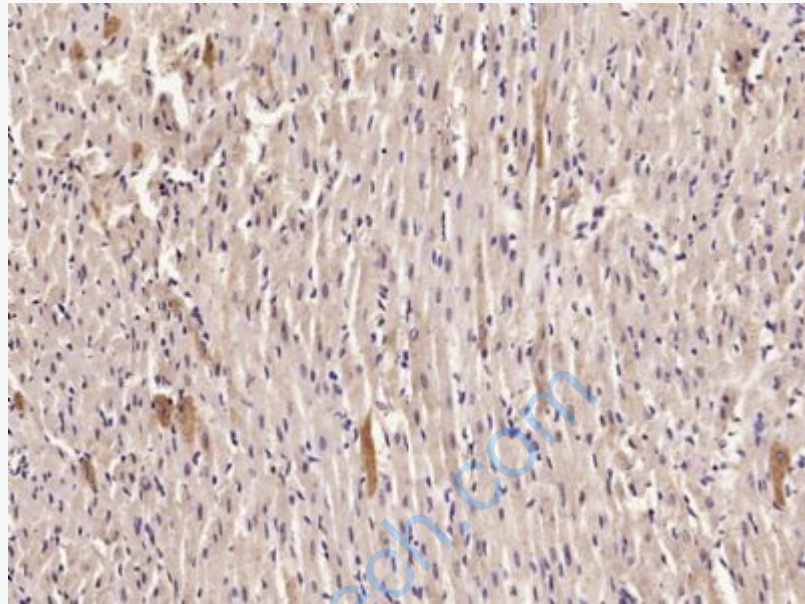
Rabbit Anti-Calponin 1 + 2 + 3 antibody

SL4902R

Product Name:	Calponin 1 + 2 + 3
Chinese Name:	钙Binding proteinCalponin抗体
Alias:	smooth muscle; Basic calponin; Calponin 1; Calponin 2; Calponin 3; Calponin1; Calponin2; Calponin3; Calponin-1; Calponin-2; Calponin-3; Calponin 1 basic smooth muscle; Calponin H1; Calponin H1 smooth muscle; Calponins basic; CNN 1; Cnn1; CNN2_HUMAN; Sm Calp; SMCC.
文献引用 PubMed :	<p>Specific References(1) SL4902R has been referenced in 1 publications.</p> <p>[IF=15.20]Lovren, Fina, et al. "MicroRNA-145 Targeted Therapy Reduces Atherosclerosis." Circulation 126.11 suppl 1 (2012): S81-S90.IHC-F;Mouse.</p> <p style="text-align: right;">PubMed:22965997</p>
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Cow,Horse,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800Flow-Cyt=1µg/TestIF=1:50-200IEM=1:20-200IGS=1:20-200GICA=1:20-200 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	34kDa
Cellular localization:	cytoplasmicThe cell membraneExtracellular matrixSecretory protein
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human Calponin 1/2/3:101-200/309
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year

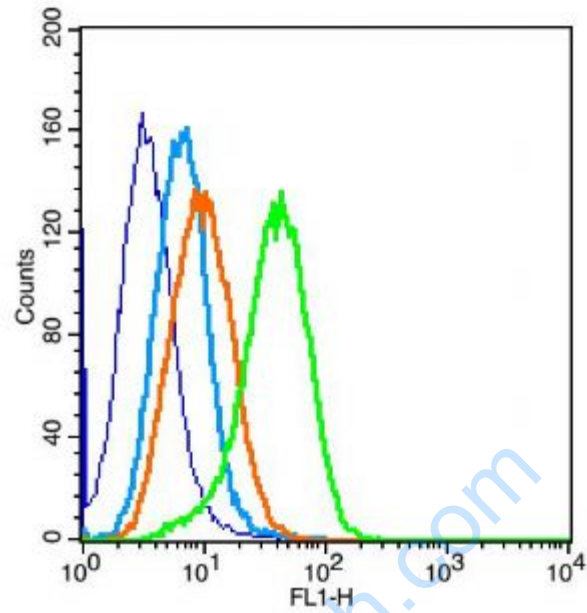
	when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	<p>Calponin regulates smooth muscle cell contraction and is a marker of smooth muscle cell differentiation. Calponin, an Actin- and Tropomyosin-binding protein, is characterized as an inhibitory factor of smooth-muscle actomyosin activity. Calponin is implicated in the regulation of smooth muscle contraction through its interaction with F-Actin and inhibition of the Actin-activated MgATPase activity of phosphorylated myosin. Both properties are lost following phosphorylation (primarily at Serine 175) by protein kinase C or calmodulin-dependent protein kinase II. The three forms of Calponin, Calponin 1 (basic Calponin), Calponin 2 (neutral Calponin) and Calponin 3 (acidic Calponin) are found in smooth muscle tissue. Additionally, Calponin 2 is found in heart muscle tissue and Calponin 3 is found in the brain.</p> <p>Function: Thin filament-associated protein that is implicated in the regulation and modulation of smooth muscle contraction. It is capable of binding to actin, calmodulin, troponin C and tropomyosin. The interaction of calponin with actin inhibits the actomyosin Mg-ATPase activity.</p> <p>Tissue Specificity: Heart and smooth muscle.</p> <p>Similarity: Belongs to the calponin family. Contains 3 calponin-like repeats. Contains 1 CH (calponin-homology) domain.</p> <p>SWISS: P51911</p> <p>Gene ID: 1265</p> <p>Database links: Entrez Gene: 1265Human Oimim: 602373Human SwissProt: Q99439Human Unigene: 651512Human</p> <p>Important Note: This product as supplied is intended for research use only, not for use in human,</p>

therapeutic or diagnostic applications.



Picture:

Paraformaldehyde-fixed, paraffin embedded (Rat heart); Antigen retrieval by microwave in sodium citrate buffer (pH6.0) ; Block endogenous peroxidase by 3% hydrogen peroxide for 30 minutes; Blocking buffer (3% BSA) at RT for 30min; Antibody incubation with (Calponin 1 + 2 + 3) Polyclonal Antibody, Unconjugated (SL4902R) at 1:400 overnight at 4°C, followed by conjugation to the secondary antibody (labeled with HRP) and DAB staining.



Key	Name	Parameter	Gate
—	H9C2-blank.039	FL1-H	G1
—	bs-0295G-FITC(CST)-H9C2-1.040	FL1-H	G1
—	bs-0295P-(FITC)-H9C2-1.041	FL1-H	G1
—	bs-4902R-(FITC)-H9C2-1.048	FL1-H	G1

Positive control: H9C2(2% Paraformaldehyde-fixed)

Isotype Control Antibody: Rabbit IgG; Dilution: 1 μ g in 100 μ l 1 X PBS containing 0.5% BSA

Secondary Antibody: Goat anti-rabbit IgG-FITC; Dilution: 1:200 in 1 X PBS containing 0.5% BSA

Primary Antibody: rabbit Anti-Calponin 1 + 2 + 3 (SL4902R); Dilution: 1 μ g in 100 μ l 1X PBS containing 0.5% BSA