

Rabbit Calponin Polyclonal Antibody | anti-CNN1 antibody

Anti-Calponin antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA45632	Rabbit	Human, Mouse, Rat	Immunohistochemistry, Western Blot

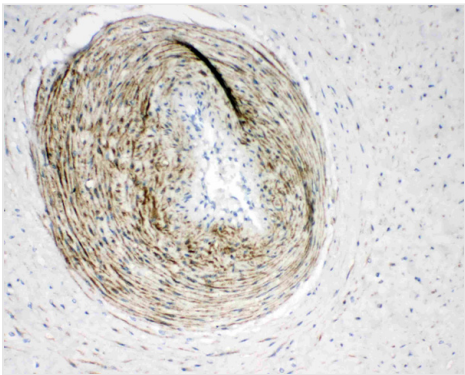
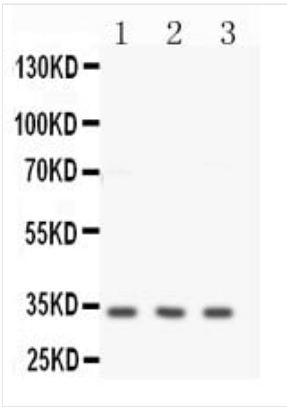
PRODUCT SYNONYMS

Calponin; Polyclonal Antibody; Anti-Calponin antibody; Calponin-1; calponin 1; basic; smooth muscle; Basic calponin antibody; Calponin 1 antibody; Calponin 1 basic smooth muscle antibody; Calponin H1 antibody; Calponin H1 smooth muscle antibody; Calponin-1 antibody; Calponin1 antibody; Calponins basic antibody; CNN 1 antibody; Cnn1 antibody; CNN1_HUMAN antibody; Sm Calp antibody; SMCC antibody; smooth muscle antibody; anti-CNN1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized
Sequence Length	297
Applicable Applications for anti-CNN1 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human Calponin (283-297aa EPAHNNHHAHNYNSA), different from the related mouse and rat sequences by two amino acids.
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Thimerosal, 0.05mg NaN ₃ .
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

IMAGES



IHC (Immunohistochemistry)
Anti-Calponin antibody, AAA45632, IHC(P)IHC(P): Human Placenta Tissue

WB (Western Blot)
Anti-Calponin antibody, AAA45632, Western blottingAll lanes: Anti -Calponin (AAA45632) at 0.5ug/mlLane 1: HELA Whole Cell Lysate at 40ugLane 2: JURKAT Whole Cell Lysate at 40ugLane 3: MCF-7 Whole Cell Lysate at 40ugPredicted bind size: 33KDObserved bind size: 33KD

ADDITIONAL INFORMATION

Related Product Information for anti-CNN1 antibody

Description: Rabbit IgG polyclonal antibody for Calponin-1(CNN1) detection. Tested with WB, IHC-P in Human, Mouse, Rat.

Background: Calponin is a basic 34-kD protein first isolated from chicken gizzard and bovine aorta. This gene is mapped to 19p13.2. It is specifically expressed in smooth muscle and binds calmodulin, actin, and tropomyosin. It is able to inhibit the ATPase activity of myosin and is thought to play a role in smooth muscle contraction. Calponin is a smooth muscle specific, actin-, tropomyosin- and calmodulin-binding protein though to be involved in some way in the regulation or modulation of contraction.

NCBI AND UNIPROT INFORMATION

NCBI GI #	2829431
NCBI GeneID	1264
UniProt Accession #	P51911; O00638; Q15416; Q8IY93; Q99438; B2R868; B4DUX6
Molecular Weight	31,055 Da
NCBI Official Full Name	Calponin-1
NCBI Official Synonym Full Names	calponin 1, basic, smooth muscle
NCBI Official Symbol	CNN1
NCBI Official Synonym Symbols	SMCC; Sm-Calp; HEL-S-14
NCBI Protein Information	calponin-1; basic calponin; calponins, basic; calponin H1, smooth muscle; epididymis secretory protein Li 14
UniProt Protein Name	Calponin-1
UniProt Gene Name	CNN1
UniProt Entry Name	CNN1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/calponin-antibody-immunohistochemistry-western-blot-elisa/45632>