

Rabbit Calponin Monoclonal Antibody | anti-CNN1 antibody

Calponin Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA30036	Rabbit	Human, Mouse, Rat, Dog, Pig	Western Blot, Immunocytochemistry, Immunofluorescence, Immunohistochemistry

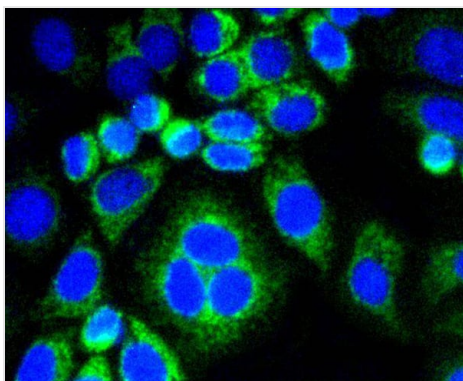
PRODUCT SYNONYMS

Calponin; Monoclonal Antibody; Calponin Antibody; 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; Epididymis secretory protein Li 14 antibody; HEL S 14 antibody; Sm Calp antibody; SMCC antibody; smooth muscle antibody; anti-CNN1 antibody

PRODUCT SPECIFICATIONS

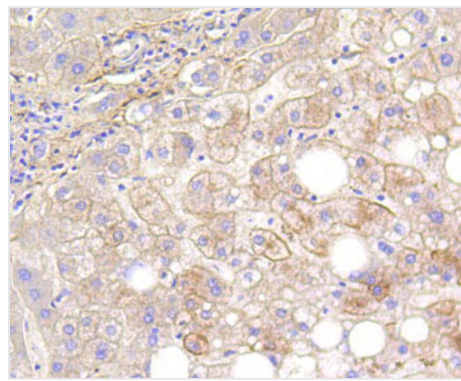
Host	Rabbit
Reactivity	Human, Mouse, Rat, Dog, Pig
Clonality	Monoclonal
Clone Number	SI67-01
Purity/Purification	ProA affinity purified
Form/Format	1*TBS (pH7.4), 1% BSA, 40% Glycerol. Preservative: 0.05% Sodium Azide.
Applicable Applications for anti-CNN1 antibody	WB (Western Blot), ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry)
Application Notes	WB: 1:1000-1:2000 IHC: 1:50-1:200 ICC: 1:50-1:200
Immunogen	Recombinant protein
Preparation and Storage	Store at -20 degree C.

IMAGES



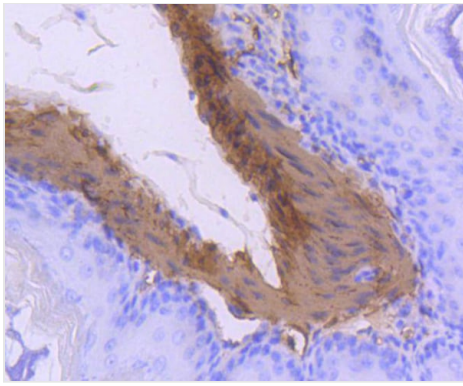
ICC (Immunocytochemistry)

ICC staining Calponin in HepG2 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



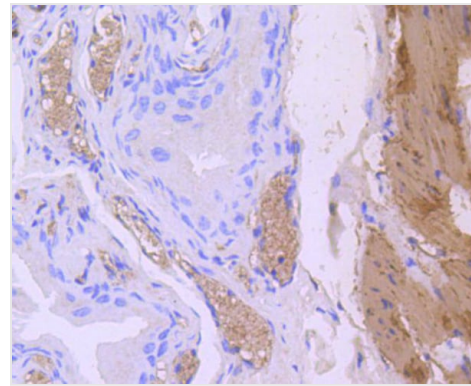
IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded mouse heart tissue using anti-Calponin antibody. Counter stained with hematoxylin.



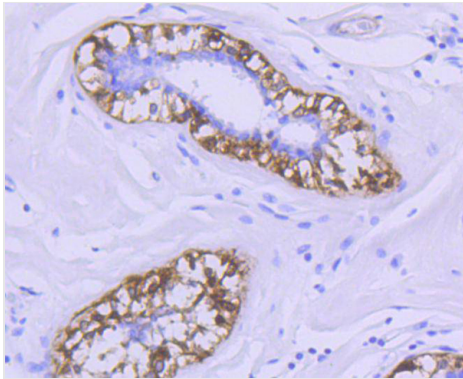
IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded mouse stomach tissue using anti-Calponin antibody. Counter stained with hematoxylin.



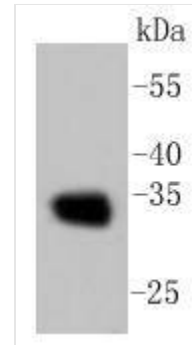
IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded mouse bladder tissue using anti-Calponin antibody. Counter stained with hematoxylin.



IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded human breast tissue using anti-Calponin antibody. Counter stained with hematoxylin.



WB (Western Blot)

Western blot analysis of Calponin on Hela cell lysates using anti-Calponin antibody at 1/1,000 dilution.

ADDITIONAL INFORMATION

Related Product Information for anti-CNN1 antibody	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.
Product Categories/Family for anti-CNN1 antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	21361120
NCBI GeneID	1264
NCBI Accession #	NP_001290.2
NCBI GenBank Nucleotide #	NM_001299.4
UniProt Accession #	P51911; O00638; Q15416; Q8IY93; Q99438; B2R868; B4DUX6
Molecular Weight	33 kDa
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; calponin H1, smooth muscle; calponins, basic; 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/monoclonal/calponin-antibody-clone-si67-01-western-blot-immunocytochemistry-immunofluorescence-immunohistochemistry-elisa/30036>