

Rabbit anti-Human, Mouse CNN2 Polyclonal Antibody | anti-CNN2 antibody

CNN2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA324543	Rabbit	Human, Mouse	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

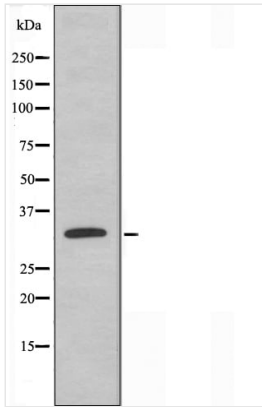
PRODUCT SYNONYMS

CNN2; Polyclonal Antibody; CNN2 Antibody; Calponin 2; Calponin H2; smooth muscle; Calponin-2; Cnn2; CNN2_HUMAN; Neutral calponin; anti-CNN2 antibody

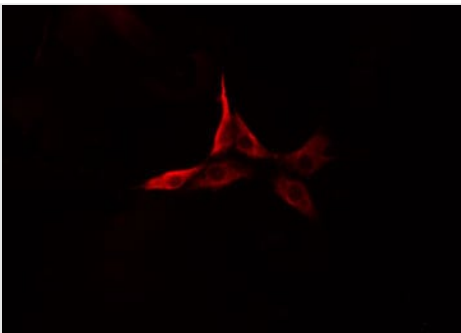
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	CNN2 antibody detects endogenous levels of total CNN2
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	298
Applicable Applications for anti-CNN2 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide
Tissue Specificity	Heart and smooth muscle.
Predicted Cross Reactivity	Pig, Bovine, Sheep, Dog, Chicken, Xenopus
Similarity	Pig (91%), Bovine (100%), Sheep (100%), Dog (100%), Chicken (82%), Xenopus (91%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

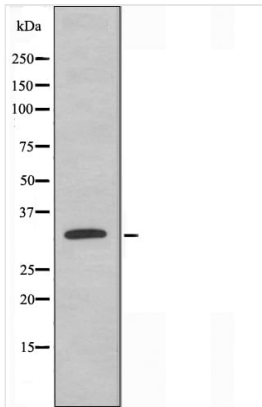
IMAGES



WB (Western Blot)
Western blot analysis of extracts from HUVEC cells, using CNN2 antibody.



IF (Immunofluorescence)
AAA324543 staining HuvEc cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.



WB (Western Blot)
Western blot analysis of extracts from HUVEC cells, using CNN2 antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-CNN2 antibody	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. Similarity: Belongs to the calponin family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	746576343
NCBI GeneID	1265
NCBI Accession #	NP_001290428.1
NCBI GenBank Nucleotide #	NM_001303499.1
UniProt Accession #	Q99439; Q92578; A5D8U8; A6NFI4; D6W5X9
Molecular Weight	Observed: 33 kD Predicted: 34 kDa
NCBI Official Full Name	calponin-2 isoform c
NCBI Official Synonym Full Names	calponin 2
NCBI Official Symbol	CNN2

NCBI Protein Information	calponin-2
UniProt Protein Name	Calponin-2
UniProt Gene Name	CNN2

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/cnn2-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/324543>