Rabbit anti-Human, Rat Calponin 3/CNN3 Polyclonal Antibody | anti-CNN3 antibody

Anti-Calponin 3/CNN3 Antibody Picoband

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA126512	**Rabbit**	**Human, Rat**	**Western Blot, Flow Cytometry, Functional Assay**

PRODUCT SYNONYMS

Calponin 3/CNN3; Polyclonal Antibody; Anti-Calponin 3/CNN3 Antibody Picoband; anti-CNN3 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4.
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml. (varies by lot)
Applicable Applications for anti-CNN3 antibody	WB (Western Blot), FCM/FACS (Flow Cytometry)
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Immunogen	A synthetic peptide corresponding to a sequence of human Calponin 3/CNN3 (DPKYCAAPTEPVIHNGSQ).
Preparation and Storage	Store at -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months. Avoid repeated freezing and thawing.

IMAGES

FCM/FACS (Flow Cytometry)
Figure 2. Flow Cytometry analysis of C6 cells using anti-Calponin 3/CNN3 antibody (AAA126512).Overlay histogram showing C6 cells stained with AAA126512 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-Calponin 3/CNN3 Antibody (AAA126512, 1 ug/1x10^6 cells) for 30 min at 20 degree C. DyLight488 conjugated goat anti-rabbit IgG was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1 ug/1x10^6) used under the same conditions. Unlabelled sample (Red line) was also used as a control.

WB (Western Blot)
Figure 1. Western blot analysis of Calponin 3/CNN3 using anti-Calponin 3/CNN3 antibody (AAA126512).Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel)/90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions.Lane 1: human 293T whole cell lysates,Lane 2: human U251 whole cell lysates.After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-Calponin 3/CNN3 antigen affinity purified polyclonal antibody (#AAA126512) at 0.5 ug/mL overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for Calponin 3/CNN3 at approximately 39 kDa. The expected band size for Calponin 3/CNN3 is at 39 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-CNN3 antibody	Calponin 3. acidic is a protein that in humans is encoded by the CNN3 gene. This gene encodes a protein with a markedly acidic C terminus; the basic N-terminus is highly homologous to the N-terminus of a related gene, CNN1. Members of the CNN gene family all contain similar tandemly repeated motifs. This encoded protein is associated with the cytoskeleton but is not involved in contraction.
Product Categories/Family for anti-CNN3 antibody	Primary Antibodies, Rabbit Polyclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	4502923
NCBI GeneID	1266
NCBI Accession #	NP_001830.1
NCBI GenBank Nucleotide #	NM_001839.4
UniProt Accession #	Q15417; Q6FHA7; B4DFK6; B4DP09; F8WA86
Molecular Weight	31,380 Da
NCBI Official Full Name	calponin-3 isoform 1
NCBI Official Synonym Full Names	calponin 3
NCBI Official Symbol	CNN3
NCBI Protein Information	calponin-3
UniProt Protein Name	Calponin-3
UniProt Gene Name	**CNN3**
UniProt Entry Name	CNN3_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-3-cnn3-antibody-western-blot-flow-cytometry-elisa/126512