

**Calponin-3 Antibody (N-term)**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP6581A****Specification**

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**Calponin-3 Antibody (N-term) - Product Information**

Application	WB, IHC-P, FC,E
Primary Accession	<a href="#">Q15417</a>
Other Accession	<a href="#">Q32L92</a>
Reactivity	Human
Predicted	Bovine
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Antigen Region	7-34

**Calponin-3 Antibody (N-term) - Additional Information****Gene ID** 1266**Other Names**

Calponin-3, Calponin, acidic isoform, CNN3

**Target/Specificity**

This Calponin-3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 7-34 amino acids from the N-terminal region of human Calponin-3.

**Dilution**

WB~~1:1000  
IHC-P~~1:50~100  
FC~~1:10~50

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

Calponin-3 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**Calponin-3 Antibody (N-term) - Protein Information****Name** CNN3

**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 and tropomyosin. The interaction of calponin with actin inhibits the actomyosin Mg-ATPase activity.

**Tissue Location**

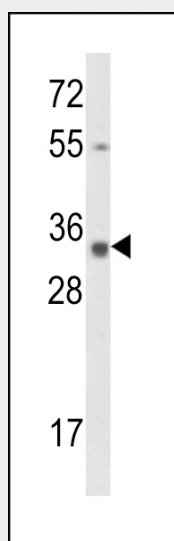
Expressed in both non-smooth muscle tissues as well as smooth muscle tissues

**Calponin-3 Antibody (N-term) - Protocols**

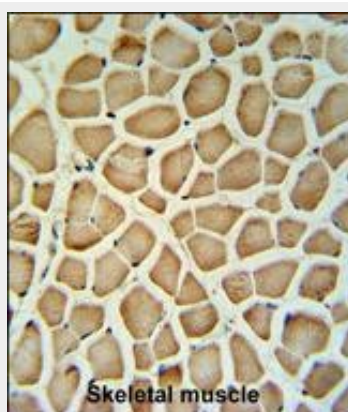
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

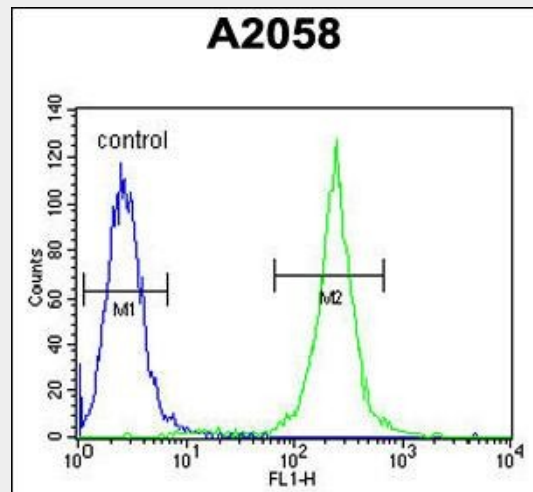
**Calponin-3 Antibody (N-term) - Images**



Western blot analysis of Calponin-3 Antibody (N-term) (Cat. #AP6581a) in A2058 cell line lysates (35ug/lane). Calponin-3 (arrow) was detected using the purified Pab.



Calponin-3 Antibody (N-term) (Cat. #AP6581a) IHC analysis in formalin fixed and paraffin embedded human skeletal muscle tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the Calponin-3 Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.



Calponin-3 Antibody (N-term) (Cat. #AP6581a) flow cytometric analysis of A2058 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

#### **Calponin-3 Antibody (N-term) - Background**

Calponin-3 is a protein with a markedly acidic C terminus; the basic N-terminus is highly homologous to the N-terminus of a related gene, CNN1. This protein is associated with the cytoskeleton but is not involved in contraction.

#### **Calponin-3 Antibody (N-term) - References**

Vinatzer, U., Clin. Cancer Res. 14 (20), 6426-6431 (2008)  
Haag, J., Exp. Cell Res. 313 (16), 3386-3394 (2007)