

Calponin-3 Antibody (Center)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP6581C**Specification**

Calponin-3 Antibody (Center) - Product Information

Application	WB, IHC-P, FC,E
Primary Accession	Q15417
Other Accession	P37397 , Q9DAW9 , Q32L92
Reactivity	Human
Predicted	Bovine, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	36414
Antigen Region	129-158

Calponin-3 Antibody (Center) - 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 129-158 amino acids from the Central 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 (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Calponin-3 Antibody (Center) - 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

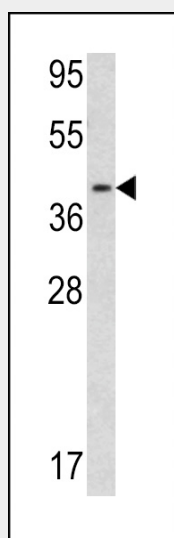
Expressed in both non-smooth muscle tissues as well as smooth muscle tissues

Calponin-3 Antibody (Center) - Protocols

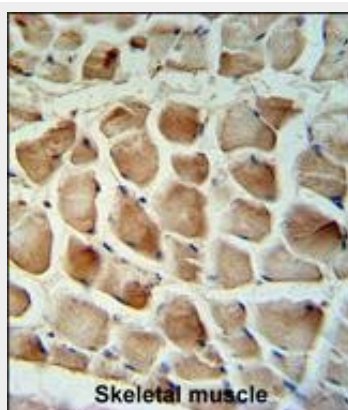
Provided below are standard protocols that you may find useful for product applications.

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

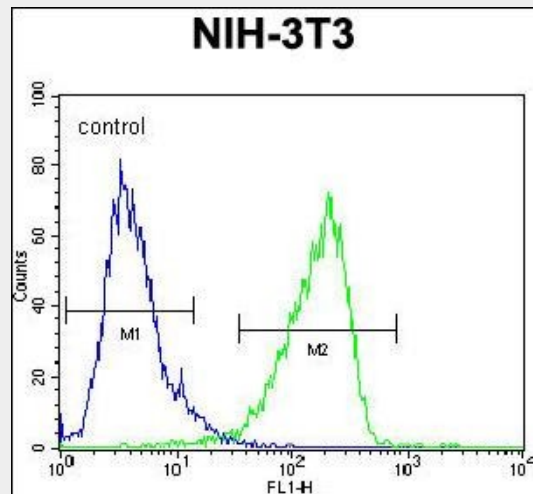
Calponin-3 Antibody (Center) - Images



Western blot analysis of Calponin-3 antibody (Center) (Cat.# AP6581c) in NIH-3T3 cell line lysates (35ug/lane). Calponin-3 (arrow) was detected using the purified Pab.



Calponin-3 Antibody (Center) (Cat.# AP6581c) 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 (Center) for immunohistochemistry. Clinical relevance has not been evaluated.



Calponin-3 Antibody (Center) (Cat. #AP6581c) flow cytometric analysis of NIH-3T3 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 (Center) - 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 (Center) - References

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