

**Goat Anti-Calponin 3 / CNN3 Antibody**  
**Peptide-affinity purified goat antibody**  
**Catalog # AF1181a****Specification**

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**Goat Anti-Calponin 3 / CNN3 Antibody - Product Information**

Application	WB
Primary Accession	<a href="#">Q15417</a>
Other Accession	<a href="#">NP_001830</a> , <a href="#">1266</a>
Reactivity	Human
Predicted	Cow
Host	Goat
Clonality	Polyclonal
Concentration	100ug/200ul
Isotype	IgG
Calculated MW	36414

**Goat Anti-Calponin 3 / CNN3 Antibody - Additional Information****Gene ID** 1266**Other Names**

Calponin-3, Calponin, acidic isoform, CNN3

**Format**

0.5 mg IgG/ml in Tris saline (20mM Tris pH7.3, 150mM NaCl), 0.02% sodium azide, with 0.5% bovine serum albumin

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

Goat Anti-Calponin 3 / CNN3 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**Goat Anti-Calponin 3 / CNN3 Antibody - 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**

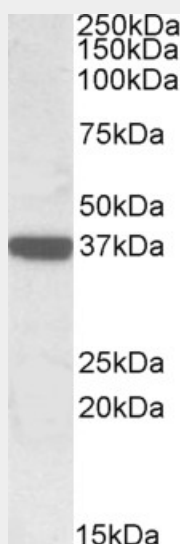
Expressed in both non-smooth muscle tissues as well as smooth muscle tissues

## Goat Anti-Calponin 3 / CNN3 Antibody - 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](#)

## Goat Anti-Calponin 3 / CNN3 Antibody - Images



AF1181a (0.3 µg/ml) staining of Human Duodenum lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

## Goat Anti-Calponin 3 / CNN3 Antibody - Background

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.

## Goat Anti-Calponin 3 / CNN3 Antibody - References

Personalized smoking cessation: interactions between nicotine dose, dependence and quit-success genotype score. Rose JE, et al. Mol Med, 2010 Jul-Aug. PMID 20379614.  
Mucosa-associated lymphoid tissue lymphoma: novel translocations including rearrangements of ODZ2, JMJD2C, and CNN3. Vinatzer U, et al. Clin Cancer Res, 2008 Oct 15. PMID 18927281.  
Identification of calponin 3 as a novel Smad-binding modulator of BMP signaling expressed in cartilage. Haag J, et al. Exp Cell Res, 2007 Oct 1. PMID 17825283.  
Global, in vivo, and site-specific phosphorylation dynamics in signaling networks. Olsen JV, et al. Cell, 2006 Nov 3. PMID 17081983.  
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