


## Product datasheet

# Anti-Calponin 3 antibody ab151427

[2 References](#) [3 Images](#)

### Overview

<b>Product name</b>	Anti-Calponin 3 antibody
<b>Description</b>	Rabbit polyclonal to Calponin 3
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB, IHC-P
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse, Human <b>Predicted to work with:</b> Rat, Cow, Xenopus laevis, Xenopus tropicalis 
<b>Immunogen</b>	Recombinant fragment corresponding to Human Calponin 3 aa 68-312. Database link: <a href="#">Q15417</a>
<b>Positive control</b>	293T, HeLa, HepG2, NIH 3T3 and JC whole cell lysates; Human U87 xenograft tissue.
<b>General notes</b>	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&amp;As</p>

### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
<b>Storage buffer</b>	pH: 7.00 Preservative: 0.01% Thimerosal (merthiolate) Constituents: 1.21% Tris, 0.75% Glycine, 20% Glycerol (glycerin, glycerine)
<b>Purity</b>	Immunogen affinity purified
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

### Applications

## The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab151427 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/1000 - 1/10000. Predicted molecular weight: 36 kDa.
IHC-P		1/100 - 1/1000. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

## Target

### 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.

### Tissue specificity

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

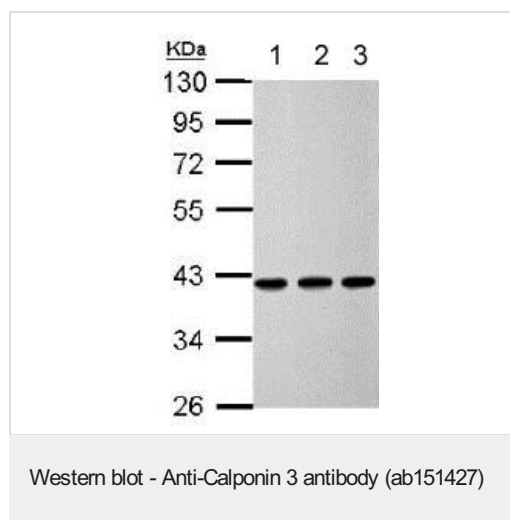
### Sequence similarities

Belongs to the calponin family.

Contains 3 calponin-like repeats.

Contains 1 CH (calponin-homology) domain.

## Images



**All lanes :** Anti-Calponin 3 antibody (ab151427) at 1/5000 dilution

**Lane 1 :** 293T whole cell lysate

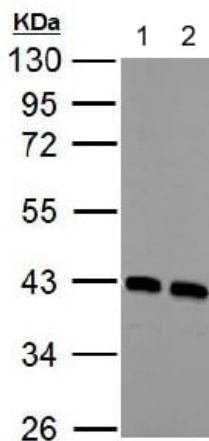
**Lane 2 :** HeLa whole cell lysate

**Lane 3 :** HepG2 whole cell lysate

Lysates/proteins at 30 µg per lane.

**Predicted band size:** 36 kDa

10% SDS-PAGE.



Western blot - Anti-Calponin 3 antibody (ab151427)

**All lanes :** Anti-Calponin 3 antibody (ab151427) at 1/1000 dilution

**Lane 1 :** NIH 3T3 whole cell lysate

**Lane 2 :** JC whole cell lysate

Lysates/proteins at 30 µg per lane.

**Predicted band size:** 36 kDa

10% SDS-PAGE.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Calponin 3 antibody (ab151427)

Immunohistochemical analysis of paraffin-embedded Human U87 xenograft tissue labeling Calponin 3 with ab151427 at 1/500 dilution.

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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