


## Product datasheet

# Anti-Calponin 1 antibody [SP181] ab227661

Recombinant RabMAb

[2 References](#) [7 Images](#)

### Overview

<b>Product name</b>	Anti-Calponin 1 antibody [SP181]
<b>Description</b>	Rabbit monoclonal [SP181] to Calponin 1
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> IHC-P, WB
<b>Species reactivity</b>	<b>Reacts with:</b> Human <b>Predicted to work with:</b> Mouse, Rat, Chicken, Cow, Pig 
<b>Immunogen</b>	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
<b>Positive control</b>	WB: Human bladder lysate. IHC-P: Human colon, breast, kidney, prostate and tonsil tissues.
<b>General notes</b>	<b>This product is FOR RESEARCH USE ONLY. For commercial use, please contact <a href="mailto:partnerships@abcam.com">partnerships@abcam.com</a>.</b>

### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
<b>Storage buffer</b>	pH: 7.60 Preservative: 0.1% Sodium azide Constituents: PBS, 1% BSA
<b>Purity</b>	Protein A/G purified
<b>Purification notes</b>	Purified from TCS by protein A/G.
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	SP181
<b>Isotype</b>	IgG

### Applications

The **Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab227661 in the following tested applications.

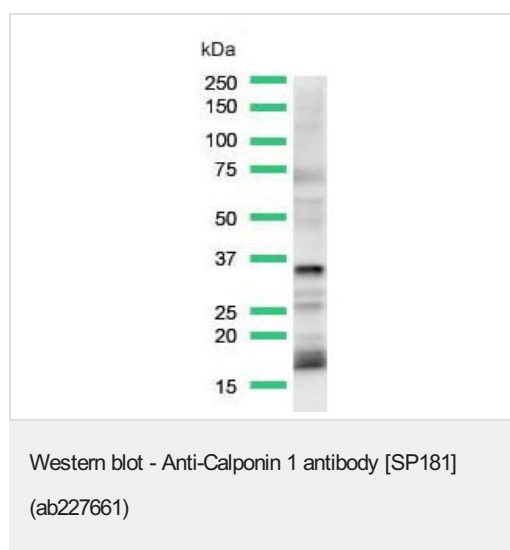
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P		1/100. Perform heat mediated antigen retrieval with EDTA buffer pH 8.0 before commencing with IHC staining protocol.
WB		1/125. Predicted molecular weight: 33 kDa.

## Target

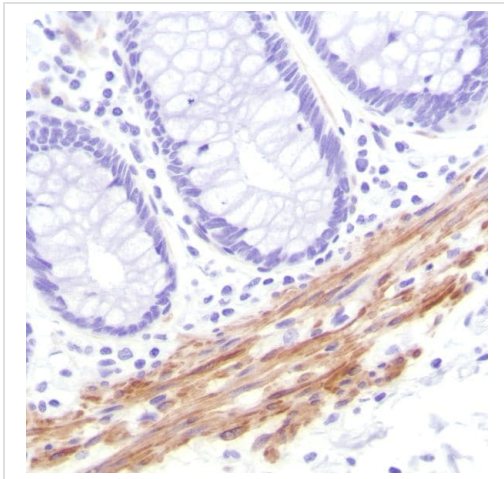
<b>Function</b>	Thin filament-associated protein that is implicated in the regulation and modulation of smooth muscle contraction. It is capable of binding to actin, calmodulin, troponin C and tropomyosin. The interaction of calponin with actin inhibits the actomyosin Mg-ATPase activity.
<b>Tissue specificity</b>	Smooth muscle, and tissues containing significant amounts of smooth muscle.
<b>Sequence similarities</b>	Belongs to the calponin family. Contains 3 calponin-like repeats. Contains 1 CH (calponin-homology) domain.

## Images



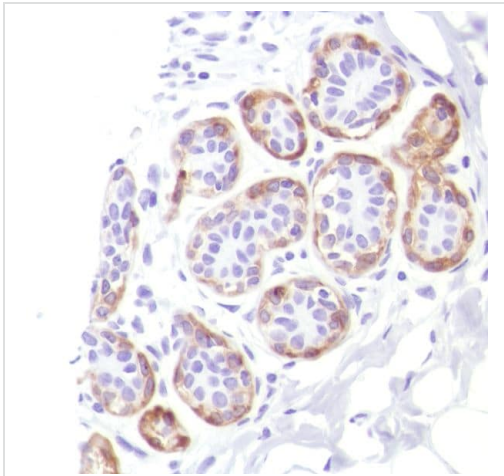
Anti-Calponin 1 antibody [SP181] (ab227661) at 1/125 dilution + Human bladder lysate

**Predicted band size: 33 kDa**



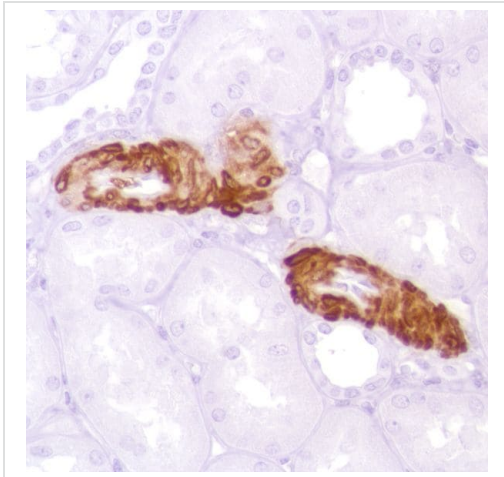
Formalin-fixed, paraffin-embedded human colon tissue stained for Calponin 1 using ab227661 at 1/100 dilution in immunohistochemical analysis.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Calponin 1 antibody [SP181] (ab227661)



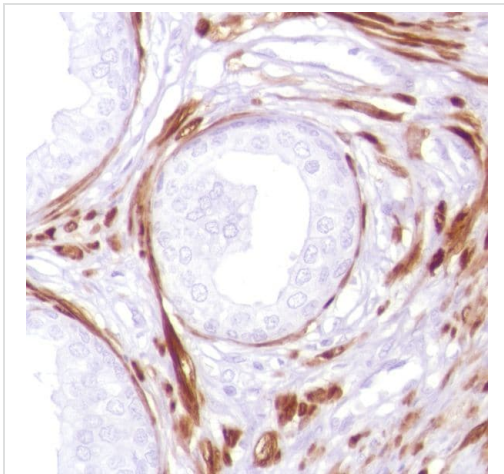
Formalin-fixed, paraffin-embedded human breast tissue stained for Calponin 1 using ab227661 at 1/100 dilution in immunohistochemical analysis.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Calponin 1 antibody [SP181] (ab227661)



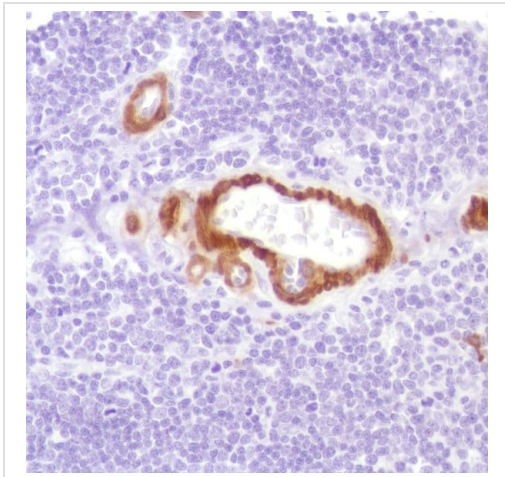
Formalin-fixed, paraffin-embedded human kidney tissue stained for Calponin 1 using ab227661 at 1/100 dilution in immunohistochemical analysis.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Calponin 1 antibody [SP181] (ab227661)



Formalin-fixed, paraffin-embedded human prostate tissue stained for Calponin 1 using ab227661 at 1/100 dilution in immunohistochemical analysis.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Calponin 1 antibody [SP181] (ab227661)



Formalin-fixed, paraffin-embedded human tonsil tissue stained for Calponin 1 using ab227661 at 1/100 dilution in immunohistochemical analysis.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Calponin 1 antibody [SP181] (ab227661)

Why choose a recombinant antibody?

 <p><b>Research with confidence</b> Consistent and reproducible results</p>	 <p><b>Long-term and scalable supply</b> Recombinant technology</p>
 <p><b>Success from the first experiment</b> Confirmed specificity</p>	 <p><b>Ethical standards compliant</b> Animal-free production</p>

Anti-Calponin 1 antibody [SP181] (ab227661)

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

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