




Product datasheet

Anti-Calponin 3 antibody - C-terminal ab204365

[1 References](#) [6 Images](#)

Overview

Product name	Anti-Calponin 3 antibody - C-terminal
Description	Rabbit polyclonal to Calponin 3 - C-terminal
Host species	Rabbit
Tested applications	Suitable for: ICC/IF, IHC-P, WB
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Rat, Cow 
Immunogen	Recombinant fragment corresponding to Human Calponin 3 aa 250 to the C-terminus (C terminal). Database link: Q15417 <div>  Run BLAST with  Run BLAST with </div>
Positive control	WB: RT-4 & U-251 MG whole cell lysates; IHC-P: Human placenta, kidney and testis tissue. ICC: U-2 OS whole cells.
General notes	<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&As</p>

Properties

Form	Liquid
Storage instructions	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.
Storage buffer	pH: 7.20 Preservative: 0.02% Sodium azide Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine)
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab204365 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
ICC/IF		Use a concentration of 0.25 - 2 µg/ml. Fixation/Permeabilization: PFA/Triton X-100
IHC-P		1/1000 - 1/2500. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
WB		Use a concentration of 0.04 - 0.4 µg/ml. Predicted molecular weight: 36 kDa.

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.

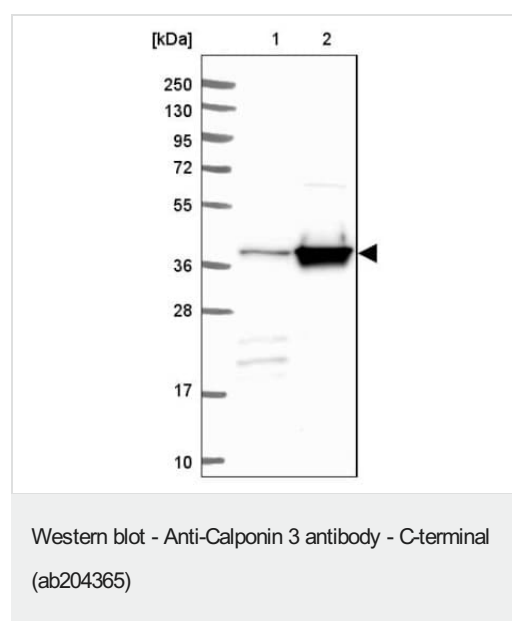
Sequence similarities

Belongs to the calponin family.

Contains 3 calponin-like repeats.

Contains 1 CH (calponin-homology) domain.

Images

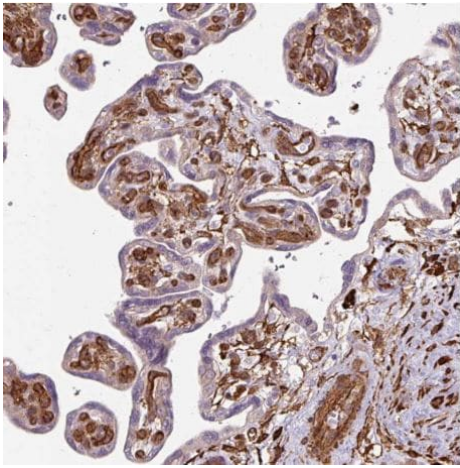


All lanes : Anti-Calponin 3 antibody - C-terminal (ab204365) at 0.4 µg/ml

Lane 1 : RT4 (Human urinary bladder cancer cell line) whole cell lysate

Lane 2 : U-251 MG (formally U-373 MG) (Human brain glioma cell line) whole cell lysate

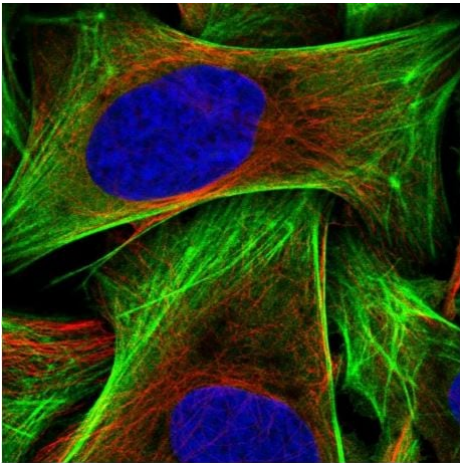
Predicted band size: 36 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Calponin 3 antibody - C-terminal (ab204365)

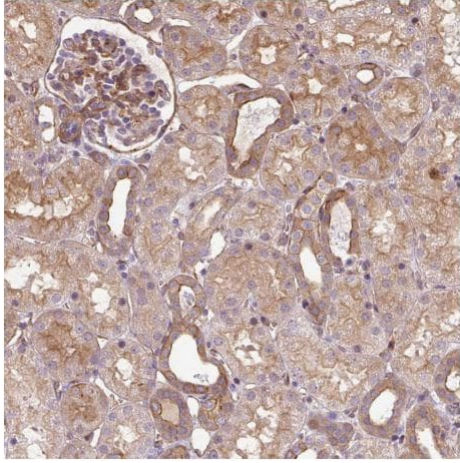
Immunohistochemical analysis of human placenta tissue labeling Calponin 3 in epithelial cells with ab204365 at a 1/1000 dilution.

Performed heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



Immunocytochemistry/ Immunofluorescence - Anti-Calponin 3 antibody - C-terminal (ab204365)

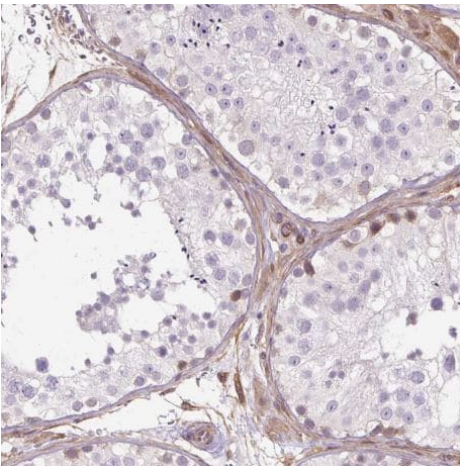
Immunocytochemical analysis of U-2 OS (Human bone osteosarcoma epithelial cell line) whole cells labeling Calponin 3 in the cytosol and actin filaments with ab204365 at 2 µg/mL.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Calponin 3 antibody - C-terminal (ab204365)

Immunohistochemical analysis of human kidney tissue labeling Calponin 3 in membrane and cytoplasm of cells in tubules with ab204365 at a 1/1000 dilution.

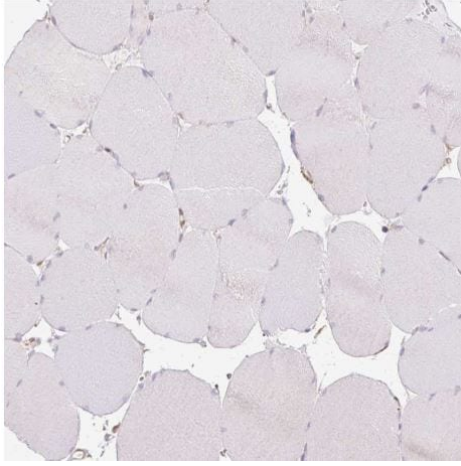
Performed heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Calponin 3 antibody - C-terminal (ab204365)

Immunohistochemical analysis of human testis tissue labeling Calponin 3 in peritubular myoid cells with ab204365 at a 1/1000 dilution.

Performed heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Calponin 3 antibody - C-terminal (ab204365)

Immunohistochemical analysis of human skeletal muscle tissue labeling Calponin 3 in myocytes with ab204365 at a 1/1000 dilution. No positivity as expected.

Performed heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

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