




Product datasheet

Anti-Calponin 2 antibody ab129331

2 Images

Overview

Product name	Anti-Calponin 2 antibody
Description	Goat polyclonal to Calponin 2
Host species	Goat
Specificity	This antibody is expected to recognize both reported isoforms (NP_004359.1; NP_958434.1), but it is not expected to cross-react with Calponin 3.
Tested applications	Suitable for: WB, IHC-P
Species reactivity	Reacts with: Human Predicted to work with: Monkey, Gorilla, Orangutan 
Immunogen	Synthetic peptide corresponding to Human Calponin 2 aa 292-306 (internal sequence). Near the C terminus of Human Calponin 2 (NP_004359.1). Sequence: C-DPGEVPEYPPYYQEE <div>  Run BLAST with  Run BLAST with </div>
Positive control	Human Placenta tissue; HepG2 lysate
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. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	pH: 7.30 Preservative: 0.02% Sodium azide Constituents: 99% Tris buffered saline, 0.5% BSA
Purity	Immunogen affinity purified

Clonality	Polyclonal
Isotype	IgG

Applications

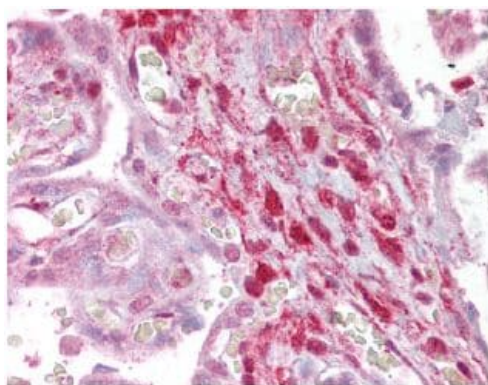
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab129331 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use a concentration of 0.03 - 0.1 µg/ml. Detects a band of approximately 35 kDa (predicted molecular weight: 34 kDa).
IHC-P		Use a concentration of 2.5 - 3.75 µg/ml. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

Target

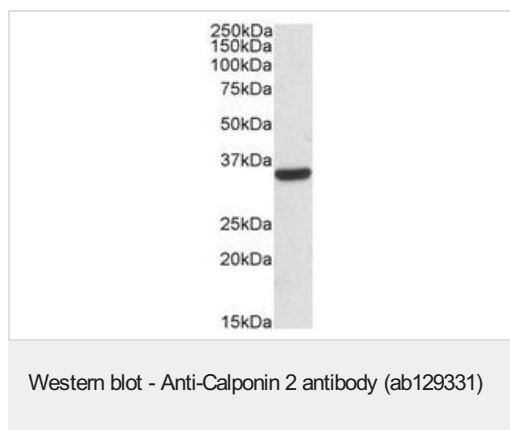
Function	Thin filament-associated protein that is implicated in the regulation and modulation of smooth muscle contraction. It is capable of binding to actin, calmodulin, troponin C and tropomyosin. The interaction of calponin with actin inhibits the actomyosin Mg-ATPase activity.
Tissue specificity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

Images



ab129331, at 2.5 µg/ml, staining Calponin 2 in formalin-fixed, paraffin-embedded Human Placenta tissue by Immunohistochemistry.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Calponin 2 antibody (ab129331)



Anti-Calponin 2 antibody (ab129331) at 0.03 µg/ml + HepG2 lysate
in RIPA buffer at 35 µg

Developed using the ECL technique.

Predicted band size: 34 kDa

Primary incubation was 1 hour.

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

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