


Anti-Calpain 2 antibody ab227439

[1 References](#) [4 Images](#)

Overview

Product name	Anti-Calpain 2 antibody
Description	Rabbit polyclonal to Calpain 2
Host species	Rabbit
Tested applications	Suitable for: IHC-P, WB
Species reactivity	Reacts with: Mouse, Human Predicted to work with: Rat, Sheep, Rabbit, Cow, Pig, Rhesus monkey 
Immunogen	Recombinant fragment within Human Calpain 2 (internal sequence). The exact sequence is proprietary. Database link: P17655
Positive control	IHC-P: Mouse colon tissue; Cal27 xenograft tissue. WB: HEK-293T whole cell lysate; Mouse brain 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. 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: 7.00 Preservative: 0.01% Thimerosal (merthiolate) Constituents: 78.99% PBS, 1% BSA, 20% Glycerol (glycerin, glycerine)
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab227439 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 - 1/1000.
WB		1/500 - 1/3000. Predicted molecular weight: 80 kDa.

Target

Function

Calcium-regulated non-lysosomal thiol-protease which catalyze limited proteolysis of substrates involved in cytoskeletal remodeling and signal transduction.

Tissue specificity

Ubiquitous.

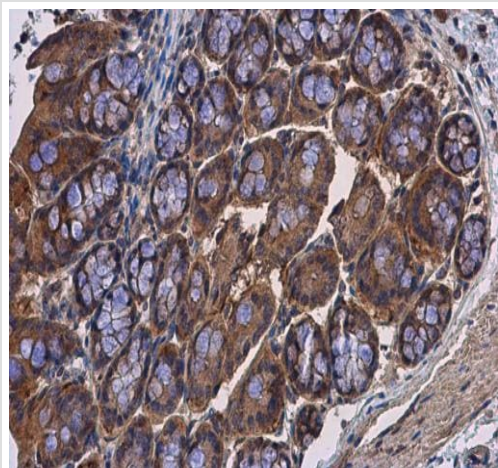
Sequence similarities

Belongs to the peptidase C2 family.
Contains 1 calpain catalytic domain.
Contains 3 EF-hand domains.

Cellular localization

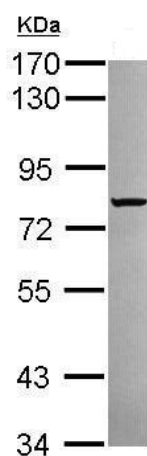
Cytoplasm. Cell membrane. Translocates to the plasma membrane upon Ca(2+) binding.

Images



Paraffin-embedded mouse colon tissue stained for Calpain 2 using ab227439 at 1/500 dilution in immunohistochemical analysis.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Calpain 2 antibody (ab227439)

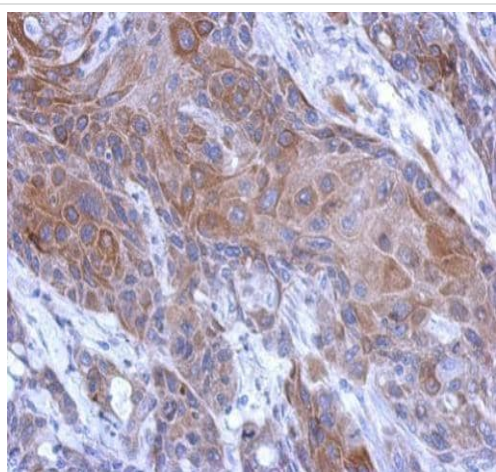


Western blot - Anti-Calpain 2 antibody (ab227439)

Anti-Calpain 2 antibody (ab227439) at 1/1000 dilution + HEK-293T (human epithelial cell line from embryonic kidney transformed with large T antigen) whole cell lysate at 30 µg

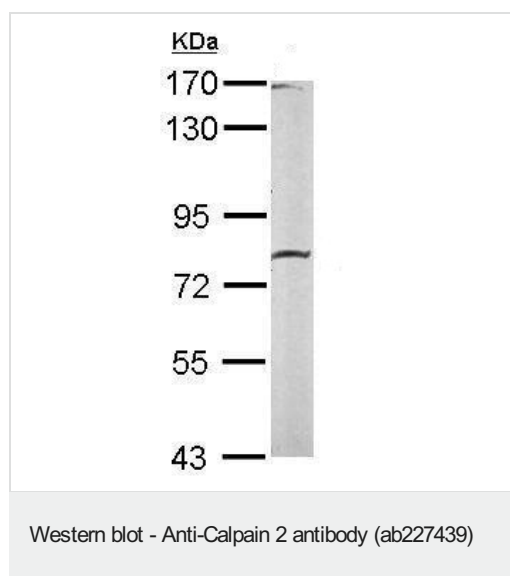
Predicted band size: 80 kDa

7.5% SDS-PAGE gel.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Calpain 2 antibody (ab227439)

Paraffin-embedded Cal27 xenograft tissue stained for Calpain 2 using ab227439 at 1/500 dilution in immunohistochemical analysis.



Anti-Calpain 2 antibody (ab227439) at 1/1000 dilution + Mouse brain lysate at 50 µg

Predicted band size: 80 kDa

7.5% SDS-PAGE gel.

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

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