


Anti-Caveolin-1 antibody [7C8] ab17052

敲除验证

★★★★★ 13 Abreviews 35 References 6 图像

概述

产品名称	Anti-Caveolin-1抗体[7C8]
描述	小鼠单克隆抗体[7C8] to Caveolin-1
宿主	Mouse
特异性	The monoclonal antibody 7C8 recognizes caveolin-1a as well as caveolin-1 β , which are present in many tissues, like aorta, heart, muscle, lung, adipose white, brown and epididymal fat.
经测试应用	适用于: ICC/IF, WB 不适用于: Flow Cyt
种属反应性	与反应: Rat, Human 预测可用于: Mouse 
免疫原	Tissue, cells or virus corresponding to Rat Caveolin-1. GLUT4-containing vesicles immunoadsorbed from low density microsomes of rat adipocytes (Sprague Dawley). The antibody recognises epitope between residue 32 and the C-terminus.
阳性对照	WB: A431, A549 and HUVEC cell lysates. ICC: HeLa cells.
常规说明	<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>

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C. Avoid freeze / thaw cycle.
存储溶液	Preservative: 0.02% Sodium azide Constituents: PBS, 0.1% BSA
纯度	Protein G purified

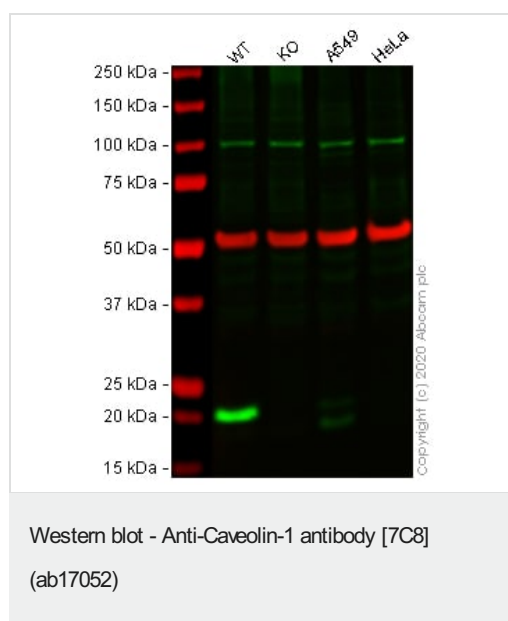
应用

“应用说明”部分下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用说明 Is unsuitable for Flow Cyt.

靶标

图片



All lanes : Anti-Caveolin-1 antibody [7C8] (ab17052) at 1 µg/ml

Lane 1 : Wild-type A-431 (Human epidermoid carcinoma cell line) whole cell lysate

Lane 2 : CAV1 knockout A-431 (Human epidermoid carcinoma cell line) whole cell lysate

Lane 3 : A549 (Human lung carcinoma cell line) whole cell lysate

Lane 4 : HeLa (Human epithelial cell line from cervix adenocarcinoma) whole cell lysate

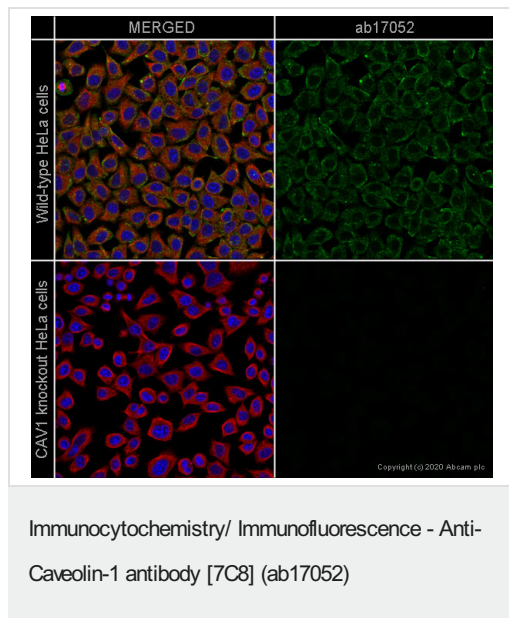
Lysates/proteins at 20 µg per lane.

Performed under reducing conditions.

Observed band size: 21-24 kDa

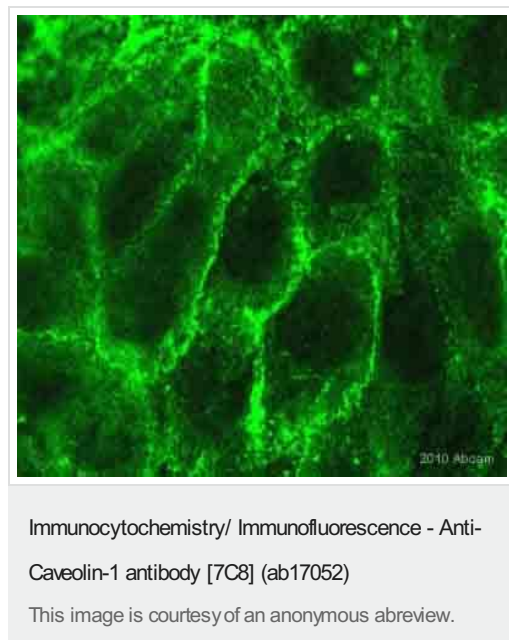
Lanes 1 -4: Merged signal (red and green). Green - ab17052 observed at 21-24 kDa. Red - loading control, [ab52866](#) (Rabbit anti-alpha Tubulin antibody [EP1332Y]) observed at 55kDa.

ab17052 was shown to react with Caveolin-1 in wild-type A431 cells in western blot. Loss of signal was observed when CAV1 knockout sample was used. Wild-type and CAV1 knockout A431 cell lysates were subjected to SDS-PAGE. Membranes were blocked in non-mammalian (TBS-based) blocking solution before incubation with ab17052 and [ab52866](#) (Rabbit anti-alpha Tubulin antibody [EP1332Y]) overnight at 4°C at 1 µg/ml and a 1 in 20000 dilution respectively. Blots were incubated with Goat anti-Mouse IgG H&L (IRDye® 800CW) preabsorbed ([ab216772](#)) and Goat anti-Rabbit IgG H&L (IRDye® 680RD) preabsorbed ([ab216777](#)) secondary antibodies at 1 in 20000 dilution for 1 hour at room temperature before imaging.

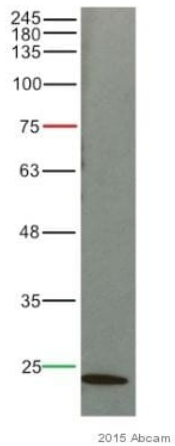


ab17052 staining Caveolin-1 in wild-type HeLa cells (top panel) and CAV1 knockout HeLa cells (**ab255371**) (bottom panel). The cells were fixed with 100% methanol (5 min) then permeabilized with 0.1% Triton X-100 for 5 minutes and then blocked with 1% BSA/10% normal goat serum/0.3M glycine in 0.1% PBS-Tween for 1h. The cells were then incubated with ab17052 at 1/500 dilution and **ab6046** (Rabbit polyclonal to beta Tubulin) at 1/1000 dilution overnight at 4°C followed by a further incubation at room temperature for 1h with a goat secondary antibody to mouse IgG (Alexa Fluor® 488) (**ab150117**) at 2 µg/ml (shown in green) and a goat secondary antibody to rabbit IgG (Alexa Fluor® 594) (**ab150080**) at 2 µg/ml (shown in red). Nuclear DNA was labelled in blue with DAPI.

Image was taken with a confocal microscope (Leica-Microsystems TCS SP8).



ab17052 staining Caveolin-1 in human Hacat keratinocyte cells by Immunocytochemistry/ Immunofluorescence. The cells were formaldehyde fixed, permeabilised in 0.1% Triton X-100 and then blocked using 1% serum for 1 hour at 25°C. Samples were then incubated with primary antibody at 1/75 for 24 hours at 4°C. The secondary antibody used was conjugated to Alexa Fluor® 488 (green) used at a 1/500 dilution.



Western blot - Anti-Caveolin-1 antibody [7C8]
(ab17052)

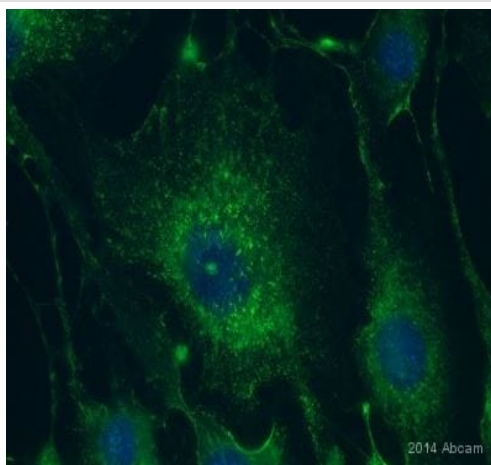
This image is courtesy of an anonymous Abreview.

Anti-Caveolin-1 antibody [7C8] (ab17052) at 1/500 dilution +
HUVEC whole cell lysate at 20 µg

Developed using the ECL technique.

Performed under reducing conditions.

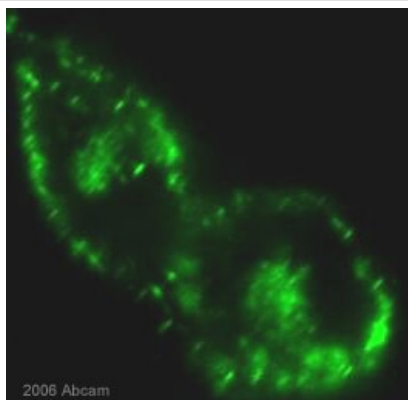
Exposure time: 10 seconds



Immunocytochemistry/ Immunofluorescence - Anti-
Caveolin-1 antibody [7C8] (ab17052)

This image is courtesy of an anonymous Abreview.

Immunocytochemical analysis of Mouse Bend.3 cells, labeling
Caveolin-1 with ab17052. Cells were paraformaldehyde fixed,
permeabilized with PBS + 0.1% Triton (PBT), and blocked with
10% serum for 1 hour at 22°C. Staining with ab17052 (diluted
1/200) was for 16 hours at 4°C.



Immunocytochemistry/ Immunofluorescence - Anti-Caveolin-1 antibody [7C8] (ab17052)

This image is courtesy of an anonymous Abreview

ab17052 at a 1/500 dilution staining hamster CHO cells by ICC/IF.

The cells were paraformaldehyde fixed and blocked with 10% serum prior to incubation with the antibody. Bound antibody was detected using a FITC conjugated goat anti-mouse antibody.

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