


Anti-Caveolin-1 antibody ab36152

★★★★☆ [10 Abreviews](#) [8 References](#) [画像数 5](#)

製品の概要

製品名	Anti-Caveolin-1 antibody
製品の詳細	Goat polyclonal to Caveolin-1
由来種	Goat
特異性	No cross-reactivity expected to Caveolin-2 and Caveolin-3.
アプリケーション	適用あり: Flow Cyt (Intra), ICC, WB
種交差性	交差種: Human 交差が予測される動物種: Mouse, Rat, Dog, Pig 
免疫原	Synthetic peptide corresponding to Human Caveolin-1 aa 33-44 (internal sequence). Sequence: DELSEKQVYDAH Database link: Q03135 Run BLAST with Run BLAST with
ポジティブ・コントロール	ICC: U-2 OS and A431 cells; WB: A549 and A431 cell lysates. Human heart tissue lysate. Flow Cyt (Intra): HeLa cells.
特記事項	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. 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

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
バッファー	pH: 7.30 Preservative: 0.02% Sodium azide Constituent: 0.5% BSA
精製度	Immunogen affinity purified

特記事項 (精製)	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
ポリ/モノ	ポリクローナル
アイソタイプ	IgG

アプリケーション

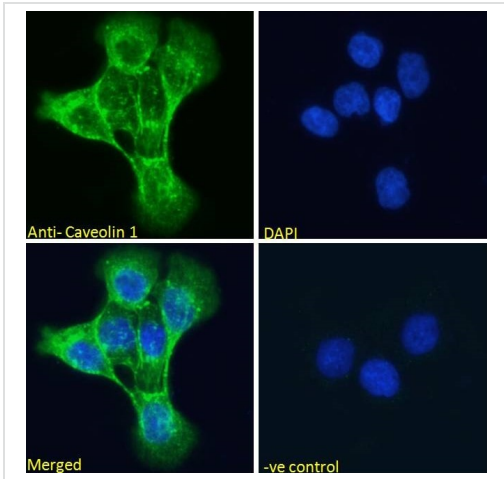
The Abpromise guarantee **Abpromise保証は、次のテスト済みアプリケーションにおけるab36152の使用に適用されず**
 アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
Flow Cyt (Intra)		Use a concentration of 10 µg/ml.
ICC		Use a concentration of 10 µg/ml.
WB	★★★★★ (3)	Use a concentration of 0.001 - 0.01 µg/ml. Detects a band of approximately 21, 25 kDa (predicted molecular weight: 20 kDa). 1 hour primary incubation is recommended for this product.

ターゲット情報

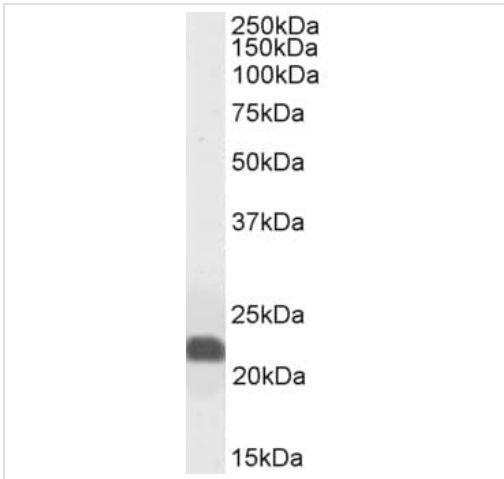
機能	May act as a scaffolding protein within caveolar membranes. Interacts directly with G-protein alpha subunits and can functionally regulate their activity (By similarity). Involved in the costimulatory signal essential for T-cell receptor (TCR)-mediated T-cell activation. Its binding to DPP4 induces T-cell proliferation and NF-kappa-B activation in a T-cell receptor/CD3-dependent manner. Recruits CTNNB1 to caveolar membranes and may regulate CTNNB1-mediated signaling through the Wnt pathway.
組織特異性	Expressed in muscle and lung, less so in liver, brain and kidney.
関連疾患	Defects in CAV1 are the cause of congenital generalized lipodystrophy type 3 (CGL3) [MIM:612526]; also called Berardinelli-Seip congenital lipodystrophy type 3 (BSCL3). Congenital generalized lipodystrophies are autosomal recessive disorders characterized by a near absence of adipose tissue, extreme insulin resistance, hypertriglyceridemia, hepatic steatosis and early onset of diabetes.
配列類似性	Belongs to the caveolin family.
翻訳後修飾	The initiator methionine for isoform Beta is removed during or just after translation. The new N-terminal amino acid is then N-acetylated.
細胞内局在	Golgi apparatus membrane. Cell membrane. Membrane > caveola. Membrane raft. Colocalized with DPP4 in membrane rafts. Potential hairpin-like structure in the membrane. Membrane protein of caveolae.

画像



Immunocytochemistry - Anti-Caveolin-1 antibody (ab36152)

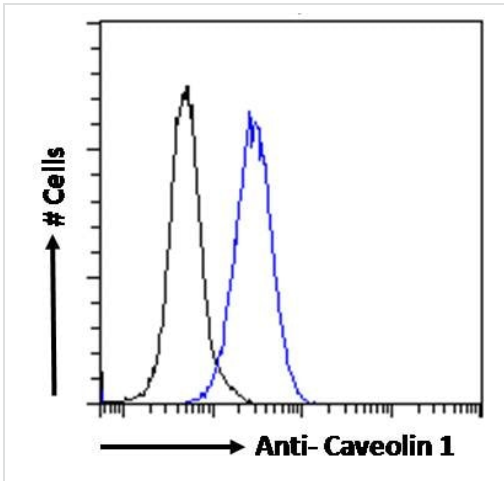
Immunocytochemistry analysis of paraformaldehyde fixed A431 (human epidermoid carcinoma cell line) cells labeling Caveolin-1 with ab36152 at 10 $\mu\text{g}/\text{mL}$. Cells permeabilized with 0.15% Triton. Primary incubation for 1 hour followed by Alexa Fluor[®] 488 secondary antibody at 2 $\mu\text{g}/\text{mL}$ (green). The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10 $\mu\text{g}/\text{mL}$) followed by Alexa Fluor[®] 488 secondary antibody at 2 $\mu\text{g}/\text{mL}$.



Western blot - Anti-Caveolin-1 antibody (ab36152)

Anti-Caveolin-1 antibody (ab36152) at 0.003 $\mu\text{g}/\text{ml}$ + Human Heart lysate at 35 μg

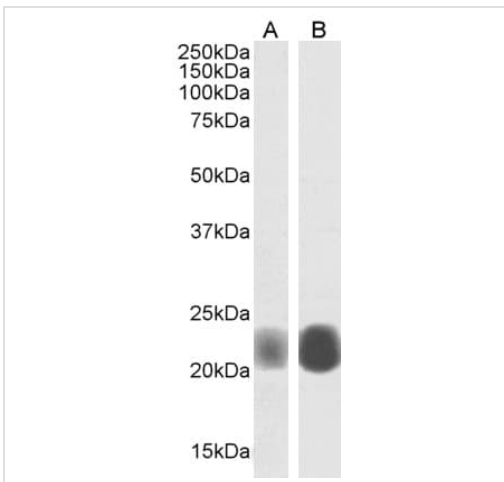
Predicted band size: 20 kDa



Flow Cytometry (Intracellular) - Anti-Caveolin-1 antibody (ab36152)

Flow Cytometry (Intracellular) analysis of paraformaldehyde fixed HeLa (human epithelial cell line from cervix adenocarcinoma) cells labeling Caveolin-1 with ab36152 at 10 µg/mL (blue line). Cells permeabilized with 0.5% Triton. Primary incubation overnight followed by Alexa Fluor® 488 secondary antibody at 1 µg/mL.

IgG control: Unimmunized goat IgG (black line) followed by Alexa Fluor® 488 secondary antibody.



Western blot - Anti-Caveolin-1 antibody (ab36152)

Lane 1 : Anti-Caveolin-1 antibody (ab36152) at 0.003 µg/ml

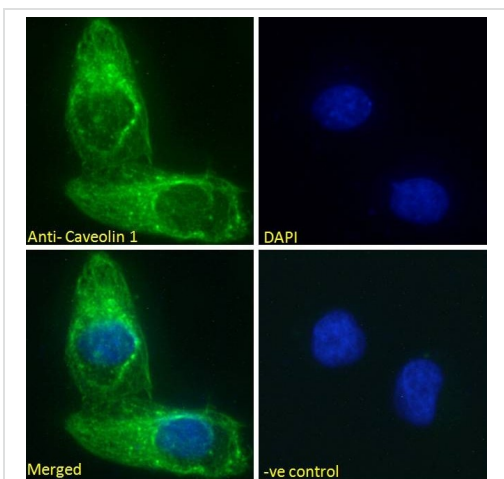
Lane 2 : Anti-Caveolin-1 antibody (ab36152) at 0.001 µg/ml

Lane 1 : A431 cell lysate

Lane 2 : A549 cell lysate

Lysates/proteins at 35 µg per lane.

Predicted band size: 20 kDa



Immunocytochemistry - Anti-Caveolin-1 antibody (ab36152)

Immunocytochemistry analysis of paraformaldehyde fixed U-2 OS (human bone osteosarcoma epithelial cell line) cells labeling Caveolin-1 with ab36152 at 10 µg/mL. Cells permeabilized with 0.15% Triton. Primary incubation for 1 hour followed by Alexa Fluor® 488 secondary antibody at 2 µg/mL (green). The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10 µg/mL) followed by Alexa Fluor® 488 secondary antibody at 2 µg/mL.

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