


Anti-Caveolin-2 antibody ab97476

1 References [画像数 3](#)

医薬用外劇物

製品の概要

製品名	Anti-Caveolin-2 antibody
製品の詳細	Rabbit polyclonal to Caveolin-2
由来種	Rabbit
アプリケーション	適用あり: WB, IHC-P, ICC/IF
種交差性	交差種: Human 交差が予測される動物種: Rabbit, Cow, Cat, Pig, Monkey 
免疫原	Synthetic peptide corresponding to Human Caveolin-2 aa 1-100. Database link: P51636 Run BLAST with Run BLAST with
ポジティブ・コントロール	WB: A549 and HCT116 cell lysate ICC/IF: A431 cell IHC-P: FaDu xenograft
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. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
バッファー	pH: 7.00 Preservative: 0.01% Thimerosal (merthiolate) Constituents: 1.21% Tris, 0.75% Glycine, 10% Glycerol (glycerin, glycerine)
精製度	Immunogen affinity purified
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

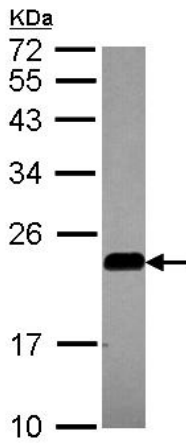
The Abpromise guarantee **Abpromise保証は、次のテスト済みアプリケーションにおけるab97476の使用に適用されず**
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
WB		1/500 - 1/3000. Predicted molecular weight: 18 kDa.
IHC-P		1/100 - 1/500.
ICC/IF		1/100 - 1/200.

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. Acts as an accessory protein in conjunction with CAV1 in targeting to lipid rafts and driving caveolae formation. The Ser-36 phosphorylated form has a role in modulating mitosis in endothelial cells. Positive regulator of cellular mitogenesis of the MAPK signaling pathway. Required for the insulin-stimulated nuclear translocation and activation of MAPK1 and STAT3, and the subsequent regulation of cell cycle progression.
組織特異性	Expressed in endothelial cells, smooth muscle cells, skeletal myoblasts and fibroblasts.
配列類似性	Belongs to the caveolin family.
翻訳後修飾	Phosphorylated on serine and tyrosine residues. CAV1 promotes phosphorylation on Ser-23 which then targets the complex to the plasma membrane, lipid rafts and caveolae. Phosphorylation on Ser-36 appears to modulate mitosis in endothelial cells (By similarity). Phosphorylation on both Tyr-19 and Tyr-27 is required for insulin-induced 'Ser-727' phosphorylation of STAT3 and its activation. Phosphorylation on Tyr-19 is required for insulin-induced phosphorylation of MAPK1 and DNA binding of STAT3. Tyrosine phosphorylation is induced by both EGF and insulin.
細胞内局在	Nucleus. Cytoplasm. Golgi apparatus membrane. Cell membrane. Membrane > caveola. Potential hairpin-like structure in the membrane. Membrane protein of caveolae. Tyr-19-phosphorylated form is enriched at sites of cell-cell contact and is translocated to the nucleus in complex with MAPK1 in response to insulin (By similarity). Tyr-27-phosphorylated form is located both in the cytoplasm and plasma membrane. CAV1-mediated Ser-23-phosphorylated form locates to the plasma membrane. Ser-36-phosphorylated form resides in intracellular compartments.

画像

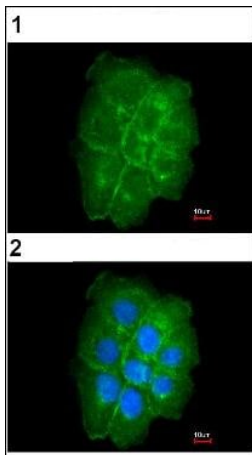


Western blot - Anti-Caveolin-2 antibody (ab97476)

Anti-Caveolin-2 antibody (ab97476) at 1/1000 dilution + A549 whole cell lysate at 30 µg

Predicted band size: 18 kDa

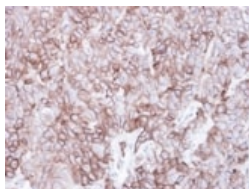
12% SDS PAGE



Immunocytochemistry/ Immunofluorescence - Anti-Caveolin-2 antibody (ab97476)

Immunofluorescence analysis of Caveolin-2 in paraformaldehyde fixed A431, using ab97476 at a 1/200 dilution.

The lower image (2) was co-stained with Hoescht 33342.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Caveolin-2 antibody (ab97476)

Immunohistochemical analysis of Caveolin-2 in paraffin embedded FaDu xenograft, using ab97476 at a 1/500 dilution.

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