

Anti-Caveolin-1 (phospho Y14) antibody ab38468

★★★★★ [2 Abreviews](#) [1 References](#) [画像数 1](#)

製品の概要

製品名	Anti-Caveolin-1 (phospho Y14) antibody
製品の詳細	Rabbit polyclonal to Caveolin-1 (phospho Y14)
由来種	Rabbit
アプリケーション	適用あり: WB
種交差性	交差種: Mouse
免疫原	Synthetic peptide corresponding to Human Caveolin-1 (phospho Y14). Database link: Q03135
特記事項	<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>

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	<p>pH: 7.40</p> <p>Preservative: 0.02% Sodium azide</p> <p>Constituents: 50% Glycerol, 0.87% Sodium chloride, PBS</p> <p>Without Mg²⁺ and Ca²⁺</p>
精製度	Immunogen affinity purified
特記事項 (精製)	The antibody against non-phosphopeptide was removed by chromatography using non-phosphopeptide corresponding to the phosphorylation site.
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ab38468の使用に適用されます

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)	1/500 - 1/1000. Detects a band of approximately 20 kDa (predicted molecular weight: 20 kDa).

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.

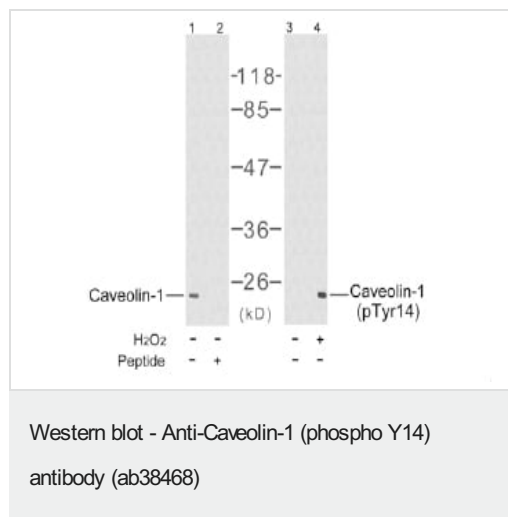
翻訳後修飾

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



Lanes 1-2 : Caveolin-1 Antibody

Lanes 3-4 : Anti-Caveolin-1 (phospho Y14) antibody (ab38468) at 1/500 dilution

Lane 1 : NIH 3T3 cell extract

Lane 2 : NIH 3T3 cell extract. Pre-incubated with synthesized peptide

Lane 3 : NIH 3T3 cell extract.

Lane 4 : NIH 3T3 cell extract. Treated with H₂O₂.

Predicted band size: 20 kDa

Observed band size: 20 kDa

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