

## Product datasheet

### Caveolin-1 peptide (33-44) ab45751

#### 製品の概要

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製品名 Caveolin-1 peptide (33-44)

#### 製品の詳細

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由来 Synthetic

#### アミノ酸配列

アクセッション番号 Q03135

生物種 Human

配列 C-DELSEKQVYDAH

領域 33 to 44

#### 特性

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Our [Abpromise guarantee](#) covers the use of **ab45751** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

アプリケーション Blocking - Blocking peptide for Anti-Caveolin-1 antibody ([ab36152](#))

製品の状態 Liquid

#### 前処理および保存

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保存方法および安定性 Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.

#### 関連情報

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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.

<b>関連疾患</b>	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.
<b>配列類似性</b>	Belongs to the caveolin family.
<b>翻訳後修飾</b>	The initiator methionine for isoform Beta is removed during or just after translation. The new N-terminal amino acid is then N-acetylated.
<b>細胞内局在</b>	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.

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