

Anti-Caveolin-1 (phospho Y14) antibody ab38468

★★★★★ [2 Abreviews](#) [1 References](#) [1 图像](#)

概述

产品名称	Anti-Caveolin-1 (phospho Y14)抗体
描述	兔多克隆抗体to Caveolin-1 (phospho Y14)
宿主	Rabbit
经测试应用	适用于: WB
种属反应性	与反应: Mouse
免疫原	Synthetic peptide corresponding to Human Caveolin-1 (phospho Y14). Database link: Q03135
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. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
存储溶液	pH: 7.40 Preservative: 0.02% Sodium azide Constituents: 50% Glycerol, 0.87% Sodium chloride, PBS
纯度	Without Mg ²⁺ and Ca ²⁺ Immunogen affinity purified
纯化说明	The antibody against non-phosphopeptide was removed by chromatography using non-phosphopeptide corresponding to the phosphorylation site.
克隆	多克隆
同种型	IgG

应用

The Abpromise guarantee

Abpromise™ 承诺保证使用 ab38468 于以下的经测试应用

“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	Ab评论	说明
WB	★★★★★ (1)	1/500 - 1/1000. Detects a band of approximately 20 kDa (predicted molecular weight: 20 kDa).

靶标

功能

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.

组织特异性

Expressed in muscle and lung, less so in liver, brain and kidney.

疾病相关

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.

序列相似性

Belongs to the caveolin family.

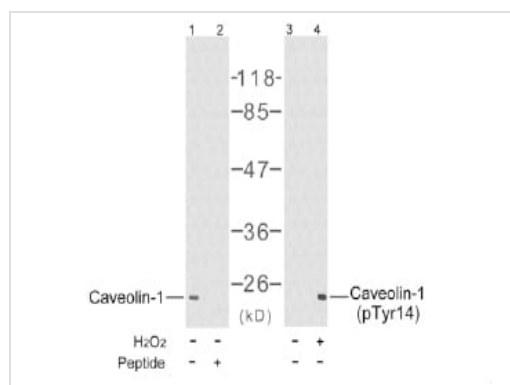
翻译后修饰

The initiator methionine for isoform Beta is removed during or just after translation. The new N-terminal amino acid is then N-acetylated.

细胞定位

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.

图片



Western blot - Anti-Caveolin-1 (phospho Y14) antibody (ab38468)

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

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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