

Product datasheet

Recombinant Human Caveolin-1 protein ab114170

[2 图像](#)**描述**

产品名称	重组人Caveolin-1蛋白
表达系统	Wheat germ
Accession	Q03135
蛋白长度	Full length protein
无动物成分	No
性质	Recombinant
种属	Human
序列	MSGGKYVDSEGHLYTVPIREQGNIYKPNNKAMADELSEKQVY DAHTKEID LVNRDPKHLNDDVVKIDFEDVIAEPEGTHSFDFGIWKASFTTF TVTKYWFY RLLSALFGIPMALIWGIYFAILSFLHIWAVVPCIKSFLIEIQ CISRVYSI YVHTVCDPLFEAVGKIFSNSVRINLQKEI
预测分子量	46 kDa including tags
氨基酸	1 to 178
额外的序列信息	There is a GST tag at N-terminal end.

技术指标

Our [Abpromise guarantee](#) covers the use of ab114170 in the following tested applications.

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

应用	SDS-PAGE Western blot ELISA
形式	Liquid

制备和贮存

稳定性和存储	Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles. pH: 8.00 Constituents: 0.3% Glutathione, 0.79% Tris HCl
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常规信息

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.

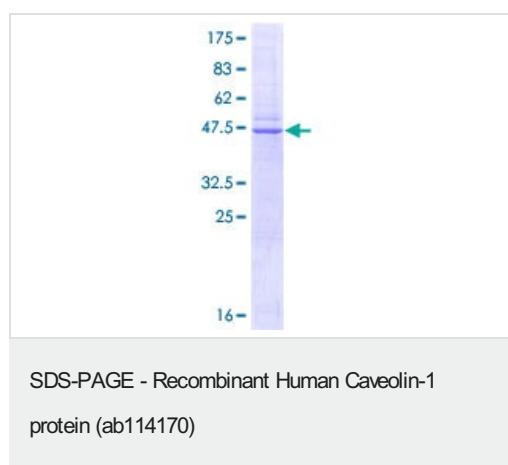
翻译后修饰

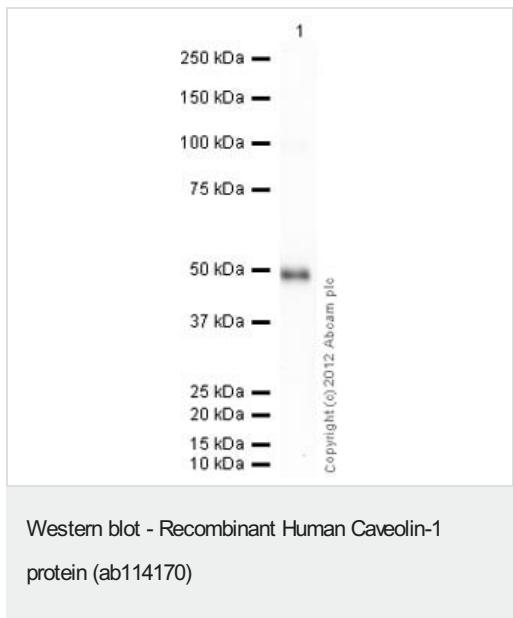
The initiator methionine for isoform Beta is removed during or just after translation. The new N-terminal amino acid is then N-acetylated.

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





ab18199 recognizes the full length tagged recombinant Caveolin 1 protein (ab114170) which has an expected molecular weight of 46 kDa.

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

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