

产品名称: Vinculin Rabbit Polyclonal Antibody
产品货号: APRab19802



产品概述 (Summary)

产品名称 (Production Name)	Vinculin Rabbit Polyclonal Antibody
描述 (Description)	Rabbit Polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	IF,IHC,WB,
种属反应性 (Reactivity)	Human,Mouse,Rat

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	IgG
克隆 (Clonality)	Polyclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	VCL
别名 (Alternative Names)	VCL; Vinculin; Metavinculin
基因 ID (Gene ID)	7414.0
蛋白 ID (SwissProt ID)	P18206.The antiserum was produced against synthesized peptide derived from human Vinculin. AA range:786-835

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500 - 1:2000 IHC-p: 1:100-300 ELISA: 1:20000. IF 1:100-300 Not yet tested in other applications.
蛋白分子量 (Molecular Weight)	123kD

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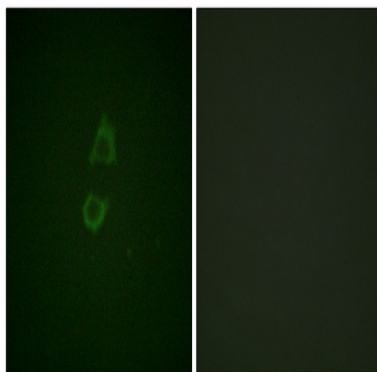
研究背景 (Background)

Vinculin is a cytoskeletal protein associated with cell-cell and cell-matrix junctions, where it is thought to function as one of several interacting proteins involved in anchoring F-actin to the membrane. Defects in VCL are the cause of cardiomyopathy dilated type 1W. Dilated cardiomyopathy is a disorder characterized by ventricular dilation and impaired systolic function, resulting in congestive heart failure and arrhythmia. Multiple alternatively spliced transcript variants have been found for this gene, but the biological validity of some variants has not been determined. [provided by RefSeq, Jul 2008],disease:Defects in VCL are the cause of cardiomyopathy dilated type 1W (CMD1W) [MIM:611407]. Dilated cardiomyopathy is a disorder characterized by ventricular dilation and impaired systolic function, resulting in congestive heart failure and arrhythmia. Patients are at risk of premature death.,function:Involved in cell adhesion. May be involved in the attachment of the actin-based microfilaments to the plasma membrane. May also play important roles in cell morphology and locomotion.,online information:Vinculin entry,PTM:Aceylated; mainly by myristic acid but also small amount of palmitic acid.,PTM:Phosphorylated; on serines, threonines and tyrosines. Phosphorylation on Tyr-1133 in activated platelets affects head-tail interactions and cell spreading but has no effect on actin binding nor on localization to focal adhesion plaques.,similarity:Belongs to the vinculin/alpha-catenin family.,subcellular location:Cytoplasmic face of adhesion plaques.,subunit:Exhibits self-association properties. Interacts with NRAP and SORBS1 (By similarity). Interacts with TLN1. Interacts with SYNM.,tissue specificity:Metavinculin is muscle-specific.,

研究领域 (Research Area)

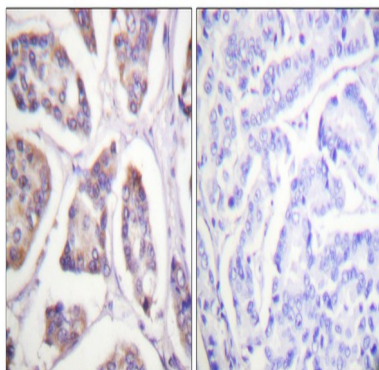
Focal adhesion;Adherens_Junction;Leukocyte transendothelial migration;Regulates Actin and Cytoskeleton;

图片 (Image Data)

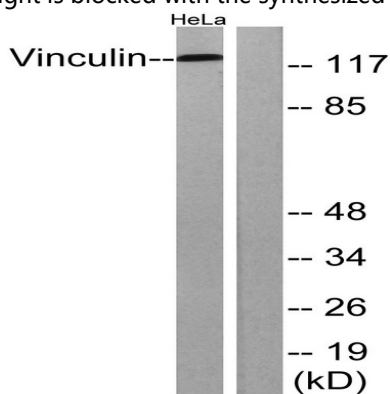


Immunofluorescence analysis of A549 cells, using Vinculin Antibody. The picture on the right is blocked with the synthesized peptide.

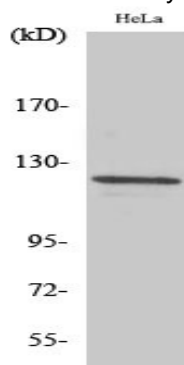
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Immunohistochemistry analysis of paraffin-embedded human breast carcinoma tissue, using Vinculin Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from HeLa cells, treated with forskolin 40nM 30', using Vinculin Antibody. The lane on the right is blocked with the synthesized peptide.



Western Blot analysis of various cells using Vinculin Polyclonal Antibody. Secondary antibody was diluted at 1:20000

注意事项 (Note)

For research use only .