

### Anti-Vitronectin/S-Protein antibody [EP873Y] ab45139

**重组** RabMAb

**21 References** [4 图像](#)

#### 概述

产品名称	Anti-Vitronectin/S-Protein抗体[EP873Y]
描述	兔单克隆抗体[EP873Y] to Vitronectin/S-Protein
宿主	Rabbit
经测试应用	<b>适用于:</b> WB, IHC-P, ICC/IF <b>不适用于:</b> Flow Cyt or IP
种属反应性	<b>与反应:</b> Human
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
阳性对照	IHC-P: Human liver tissue. WB: Human serum tissue lysate ICC/IF: HepG2 cells
常规说明	This product is a recombinant monoclonal antibody, which offers several advantages including: <ul style="list-style-type: none"> <li>- High batch-to-batch consistency and reproducibility</li> <li>- Improved sensitivity and specificity</li> <li>- Long-term security of supply</li> <li>- Animal-free production</li> </ul> For more information <a href="#">see here</a> . Our RabMAb <sup>®</sup> technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to <a href="#">RabMAb<sup>®</sup> patents</a> .

#### 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: 7.20 Preservative: 0.01% Sodium azide Constituents: 9% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA, 50% Tissue culture supernatant
纯度	Protein A purified
克隆	单克隆
克隆编号	EP873Y
同种型	IgG

## 应用

## The Abpromise guarantee

**Abpromise™** 承诺保证使用ab45139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		1/2000 - 1/10000. Detects a band of approximately 75 kDa.
IHC-P		1/100. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
ICC/IF		1/50 - 1/100.

## 应用说明

Is unsuitable for Flow Cyt or IP.

## 靶标

## 功能

Vitronectin is a cell adhesion and spreading factor found in serum and tissues. Vitronectin interact with glycosaminoglycans and proteoglycans. Is recognized by certain members of the integrin family and serves as a cell-to-substrate adhesion molecule. Inhibitor of the membrane-damaging effect of the terminal cytolytic complement pathway.

Somatomedin-B is a growth hormone-dependent serum factor with protease-inhibiting activity.

### 组织特异性

Plasma.

## 序列相似性

Contains 4 hemopexin repeats.

Contains 1 SMB (somatomedin-B) domain.

## 结构域

The SMB domain mediates interaction with SERPINE1/PAI1. The heparin-binding domain mediates interaction with insulin.

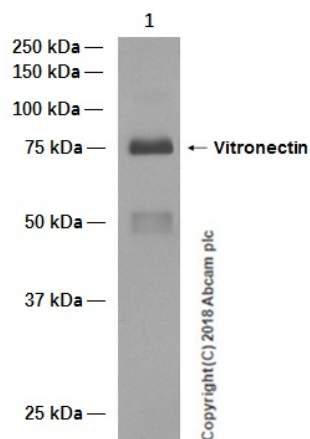
### 翻译后修饰

Sulfated on 2 tyrosine residues.  
N- and O-glycosylated.  
Phosphorylation on Thr-69 and Thr-76 favors cell adhesion and spreading.  
It has been suggested that the active SMB domain may be permitted considerable disulfide bond heterogeneity or variability, thus two alternate disulfide patterns based on 3D structures are described with 1 disulfide bond conserved in both.  
Phosphorylation sites are present in the extracellular medium.

## 细胞定位

Secreted, extracellular space.

图片



Western blot - Anti-Vitronectin/S-Protein antibody [EP873Y] (ab45139)

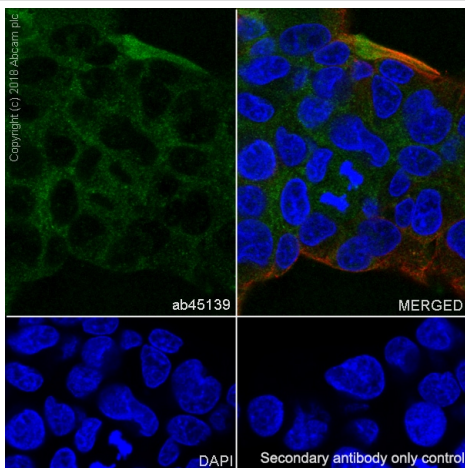
Anti-Vitronectin/S-Protein antibody [EP873Y] (ab45139) at 1/2000 dilution + Human serum tissue lysate at 20 µg with 5% NFDM/TBST

### Secondary

Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) (Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated)

**Observed band size:** 75 kDa

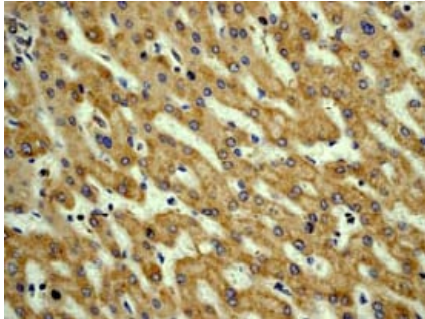
**Exposure time:** 30 seconds



Immunocytochemistry/ Immunofluorescence - Anti-Vitronectin/S-Protein antibody [EP873Y] (ab45139)

Immunocytochemistry analysis of HepG2 (human hepatocellular carcinoma epithelial cell) labeling Vitronectin/S-Protein with purified ab45139 at 1/100 dilution (7 µg/ml). Cells were fixed with 4% Paraformaldehyde and permeabilised with 0.1% tritonX-100. Goat anti rabbit IgG (Alexa Fluor® 488, [ab150077](#)) at 1/1000 (2 µg/ml) was used as the secondary antibody. [ab195889](#) Anti-alpha Tubulin antibody [DM1A] - Microtubule Marker (Alexa Fluor® 594) 1/200 (2.11 µg/ml) was used as counterstain. Nuclei were stained blue with DAPI.

Negative control: PBS instead of the primary antibody.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Vitronectin/S-Protein antibody [EP873Y] (ab45139)

Ab45139 at a 1/100 dilution, staining human Vitronectin/S-Protein in human liver tissue by immunohistochemistry using paraffin embedded tissue.

Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

#### Why choose a recombinant antibody?



**Research with confidence**  
Consistent and reproducible results



**Long-term and scalable supply**  
Recombinant technology



**Success from the first experiment**  
Confirmed specificity



**Ethical standards compliant**  
Animal-free production

Anti-Vitronectin/S-Protein antibody [EP873Y] (ab45139)

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

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