

### Anti-Villin antibody ab97512

★★★★★ [1 Abreviews](#) [4 References](#) [10 图像](#)

#### 概述

<b>产品名称</b>	Anti-Villin抗体
<b>描述</b>	兔多克隆抗体to Villin
<b>宿主</b>	Rabbit
<b>经测试应用</b>	<b>适用于:</b> ICC/IF, WB, IHC-P
<b>种属反应性</b>	<b>与反应:</b> Mouse, Rat, Human
<b>免疫原</b>	Recombinant fragment, corresponding to a region within amino acids 7-256 of Human Villin (NP_009058).
<b>阳性对照</b>	WB: HepG2 cell lysate, mouse and rat kidney extract. IHC-P: A549 xenograft tissue, mouse duodenum and kidney, rat colon, kidney. IF: HeLa whole cell.
<b>常规说明</b>	<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&amp;As</p>

#### 性能

<b>形式</b>	Liquid
<b>存放说明</b>	Shipped at 4°C. Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
<b>存储溶液</b>	pH: 7.00 Preservative: 0.025% Proclin 300 Constituents: 79% PBS, 20% Glycerol (glycerin, glycerine)
<b>纯度</b>	Immunogen affinity purified
<b>克隆</b>	多克隆
<b>同种型</b>	IgG

#### 应用

## The Abpromise guarantee

**Abpromise™** 承诺保证使用 ab97512 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
ICC/IF	★★★★★ (1)	1/100 - 1/1000.
WB		1/500 - 1/10000. Predicted molecular weight: 93 kDa.
IHC-P		1/100 - 1/1000.

## 靶标

### 功能

Ca(2+)-regulated actin-binding protein.

### 组织特异性

Major component of microvilli of intestinal epithelial cells and kidney proximal tubule cells.

### 序列相似性

Belongs to the villin/gelsolin family.

Contains 6 gelsolin-like repeats.

Contains 1 HP (headpiece) domain.

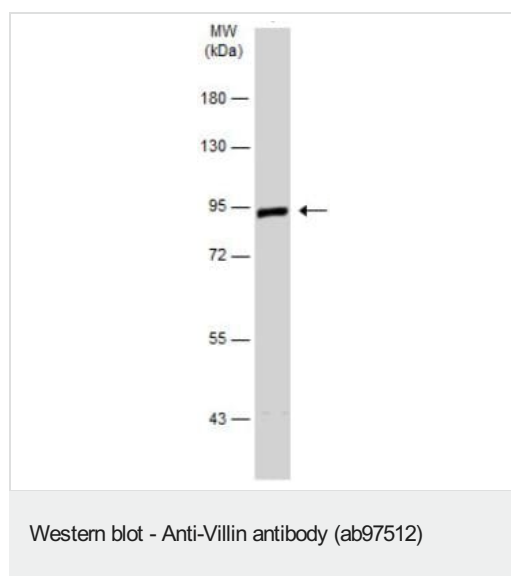
### 结构域

Consists of a large core fragment, the N-terminal portion, and a small headpiece, the C-terminal portion. The headpiece binds F-actin strongly in both the presence and absence of calcium.

### 细胞定位

Cytoplasm > cytoskeleton.

## 图片



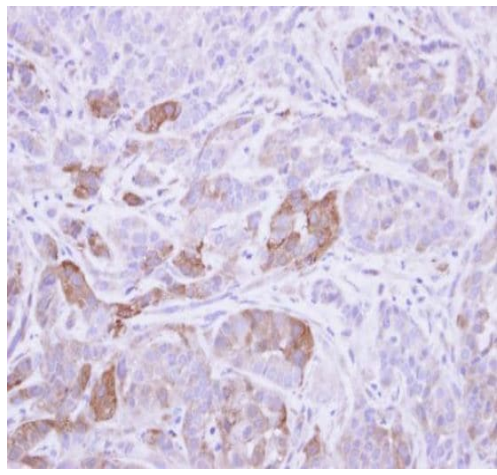
Anti-Villin antibody (ab97512) at 1/2000 dilution + HepG2 (human liver hepatocellular carcinoma cell line) whole cell lysate at 30 µg

### Secondary

HRP-conjugated anti-rabbit IgG antibody

**Predicted band size:** 93 kDa

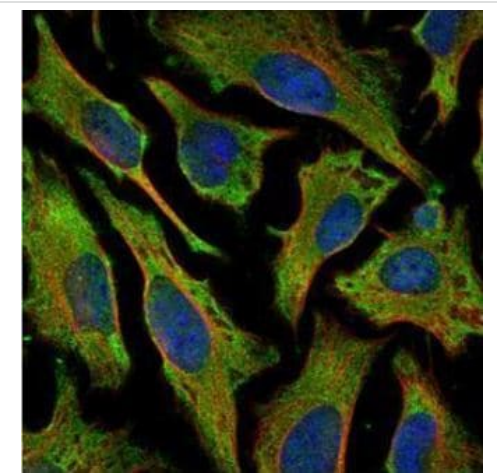
7.5% SDS-PAGE



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Villin antibody (ab97512)

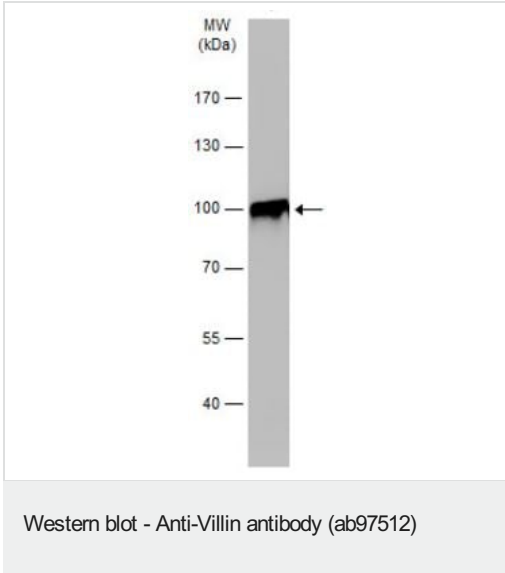
Paraffin-embedded A549 xenograft tissue stained Villin using ab97512 at a 1/500 dilution.

Antigen Retrieval: EDTA based buffer, pH 8.0, 15min.



Immunocytochemistry/ Immunofluorescence - Anti-Villin antibody (ab97512)

Confocal immunofluorescence analysis of methanol-fixed HeLa (human epithelial cell line from cervix adenocarcinoma) cells labelling Villin with ab97512 (green) at 1/500 dilution. Red: Alpha-tubulin filaments, alpha Tubulin antibody at 1/2000.



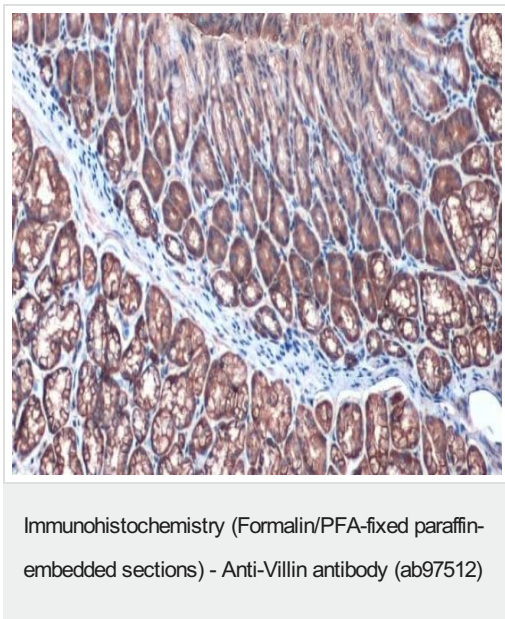
Anti-Villin antibody (ab97512) at 1/1000 dilution + Mouse kidney tissue extract at 50  $\mu$ g

**Secondary**

HRP-conjugated anti-rabbit IgG antibody

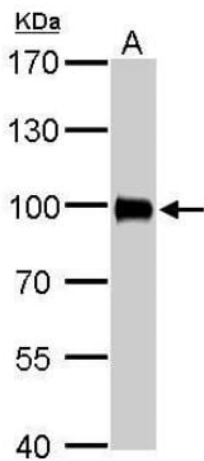
**Predicted band size:** 93 kDa

7.5% SDS-PAGE



Paraffin-embedded mouse duodenum tissue stained Villin at cytoplasm using ab97512 at 1/500 dilution.

Antigen Retrieval: Citrate buffer, pH 6.0, 15min.



Western blot - Anti-Villin antibody (ab97512)

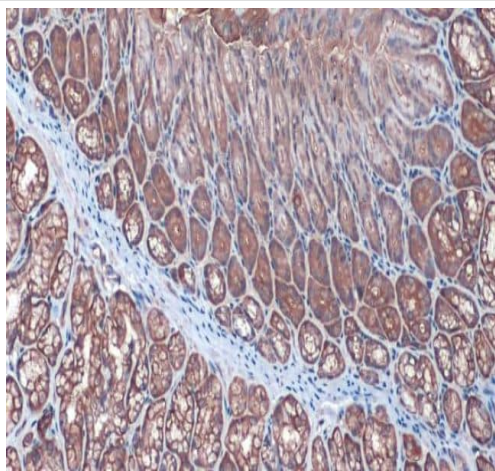
Anti-Villin antibody (ab97512) at 1/2000 dilution + Rat kidney tissue extract at 50  $\mu$ g

**Secondary**

HRP-conjugated anti-rabbit IgG antibody

**Predicted band size:** 93 kDa

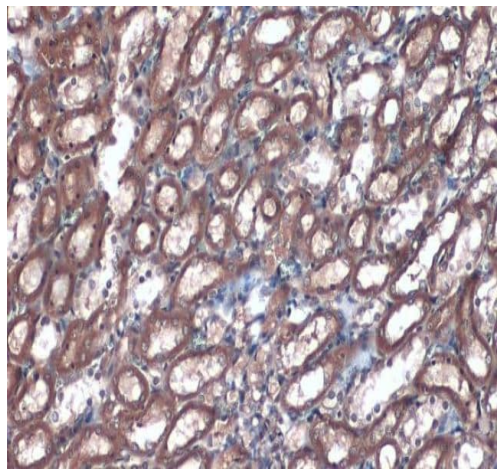
7.5% SDS-PAGE



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Villin antibody (ab97512)

Paraffin-embedded mouse duodenum tissue stained Villin at cytoplasm using ab97512 at 1/500 dilution.

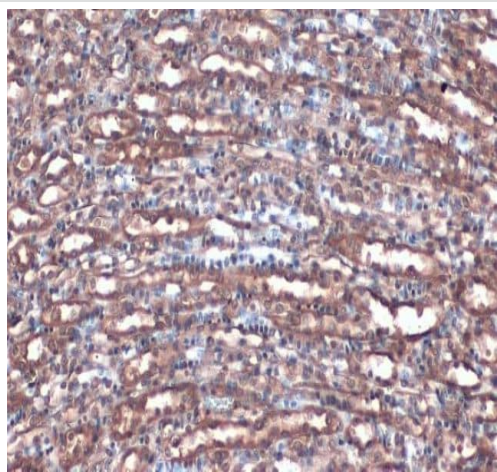
Antigen Retrieval: Citrate buffer, pH 6.0, 15min.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Villin antibody (ab97512)

Paraffin-embedded rat kidney tissue stained Villin at cytoplasm using ab97512 at 1/500 dilution.

Antigen Retrieval: Citrate buffer, pH 6.0, 15min.

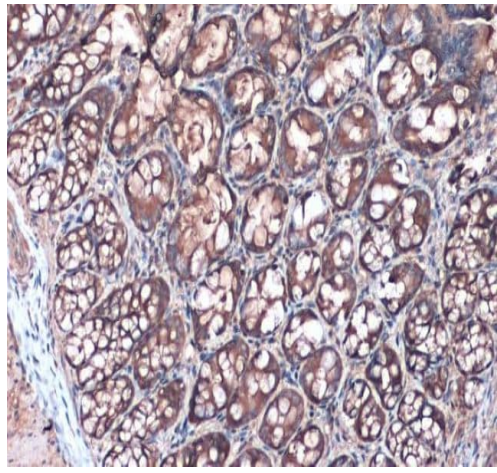


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Villin antibody (ab97512)

Paraffin-embedded mouse kidney tissue stained Villin at cytoplasm using ab97512 at 1/500 dilution.

Antigen Retrieval: Citrate buffer, pH 6.0, 15min.





Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Villin antibody (ab97512)

Paraffin-embedded rat colon tissue stained Villin at cytoplasm using ab97512 at 1/500 dilution.

Antigen Retrieval: Citrate buffer, pH 6.0, 15min.

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

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