

Product datasheet

Anti-Villin antibody ab97512

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

Overview

Product name	Anti-Villin antibody
Description	Rabbit polyclonal to Villin
Host species	Rabbit
Tested applications	Suitable for: ICC/IF, WB, IHC-P
Species reactivity	Reacts with: Mouse, Rat, Human
Immunogen	Recombinant fragment, corresponding to a region within amino acids 7-256 of Human Villin (NP_009058).
Positive control	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.
General notes	<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>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
Storage buffer	<p>pH: 7.00</p> <p>Preservative: 0.025% Proclin 300</p> <p>Constituents: 79% PBS, 20% Glycerol (glycerin, glycerine)</p>
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab97512 in the following tested applications.

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

Application	Abreviews	Notes
ICC/IF	★★★★★ (1)	1/100 - 1/1000.
WB		1/500 - 1/10000. Predicted molecular weight: 93 kDa.
IHC-P		1/100 - 1/1000.

Target

Function

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

Tissue specificity

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

Sequence similarities

Belongs to the villin/gelsolin family.

Contains 6 gelsolin-like repeats.

Contains 1 HP (headpiece) domain.

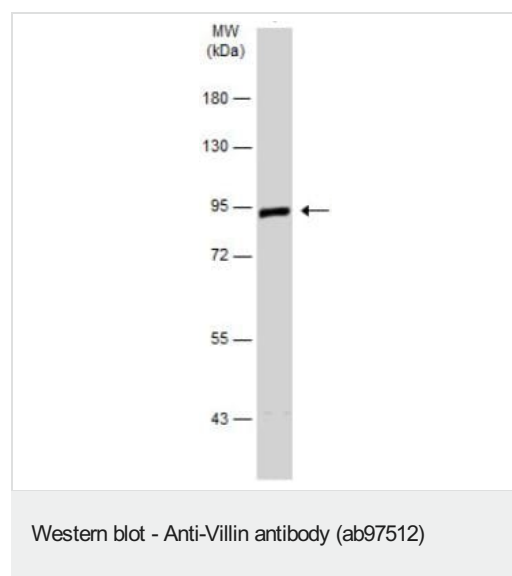
Domain

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.

Cellular localization

Cytoplasm > cytoskeleton.

Images



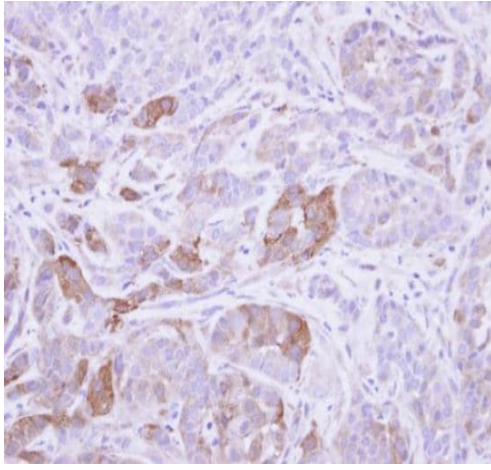
Anti-Villin antibody (ab97512) at 1/2000 dilution + HepG2 (human liver hepatocellular carcinoma cell line) whole cell lysate at 30 µg

Secondary

HRP-conjugated anti-rabbit IgG antibody

Predicted band size: 93 kDa

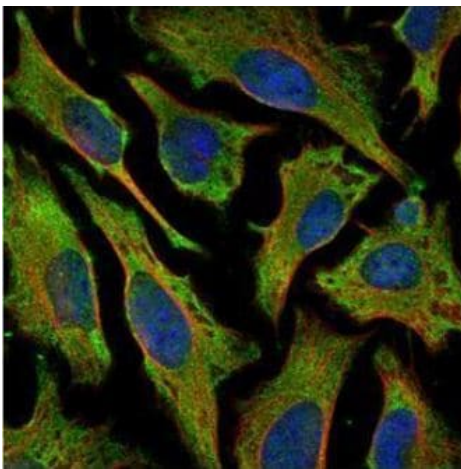
7.5% SDS-PAGE



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

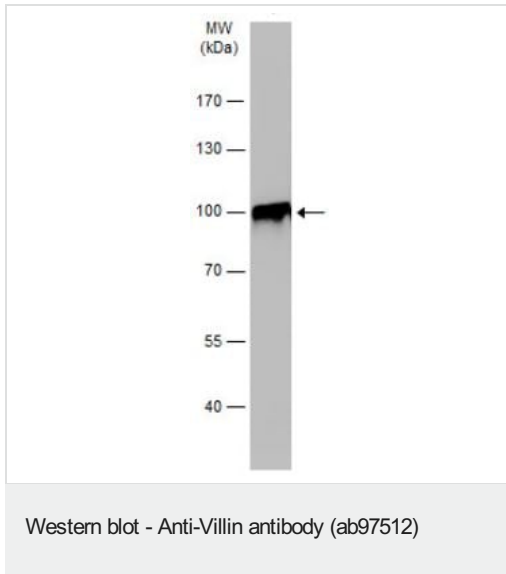
Paraffin-embedded A549 xenograft tissue stained Villin using ab97512 at a 1/500 dilution.

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.



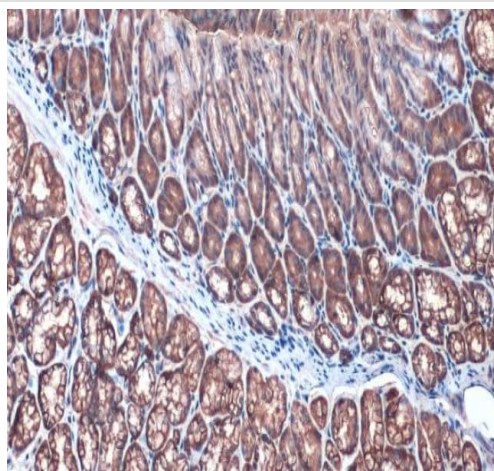
Anti-Villin antibody (ab97512) at 1/1000 dilution + Mouse kidney tissue extract at 50 µg

Secondary

HRP-conjugated anti-rabbit IgG antibody

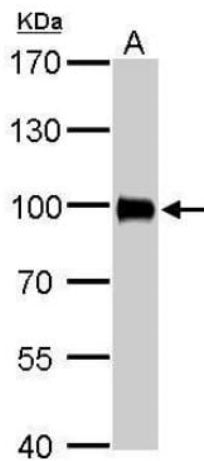
Predicted band size: 93 kDa

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)

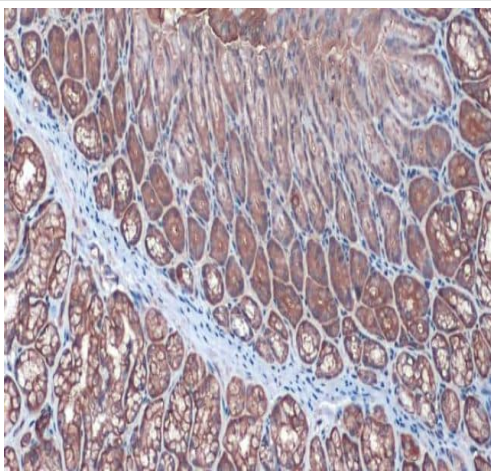
Anti-Villin antibody (ab97512) at 1/2000 dilution + Rat kidney tissue extract at 50 µg

Secondary

HRP-conjugated anti-rabbit IgG antibody

Predicted band size: 93 kDa

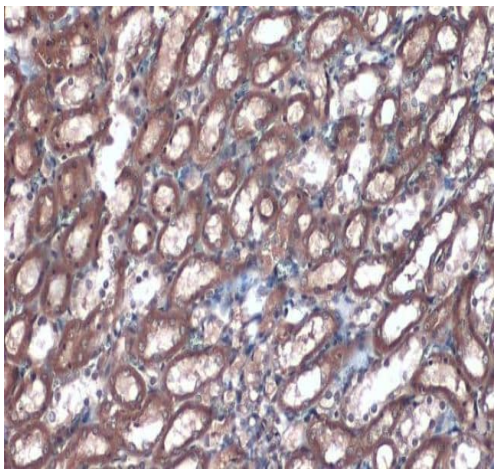
7.5% SDS-PAGE



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

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

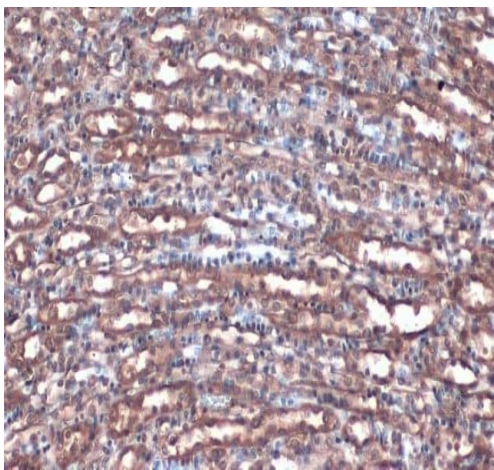
Antigen Retrieval: Citrate buffer, pH 6.0, 15min.



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.

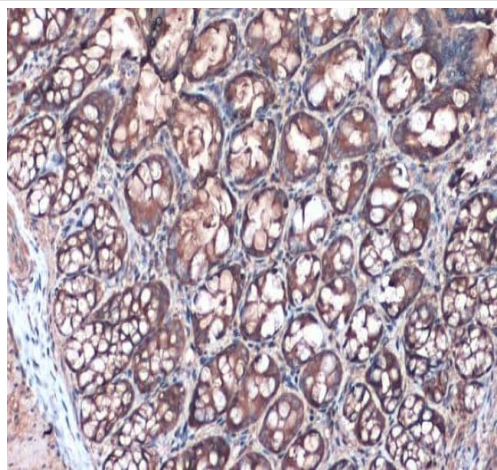
Antigen Retrieval: Citrate buffer, pH 6.0, 15min.



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"

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors