

# Anti-Villin antibody ab272876

[1 References](#) [4 Images](#)

## Overview

<b>Product name</b>	Anti-Villin antibody
<b>Description</b>	Rabbit polyclonal to Villin
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB, IHC-P, ICC/IF
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse, Human
<b>Immunogen</b>	Recombinant fragment within Human Villin (N terminal). The exact sequence is proprietary. Database link: <a href="#">P09327</a>
<b>Positive control</b>	WB: Mouse kidney tissue extract, H1299 whole cell lysate. IHC-P: NCIN87 xenograft tissue. ICC/IF: Hep3B cells.
<b>General notes</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>

## Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
<b>Storage buffer</b>	pH: 7.00 Preservative: 0.01% Thimerosal (merthiolate) Constituents: 1.21% Tris, 0.75% Glycine, 10% Glycerol (glycerin, glycerine)
<b>Purity</b>	Immunogen affinity purified
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

## Applications

## The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab272876 in the following tested applications.

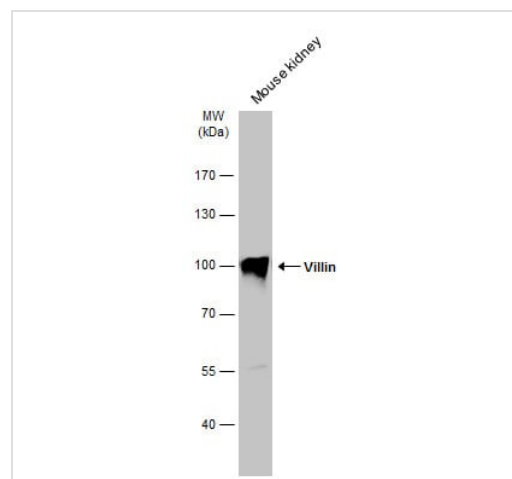
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/500 - 1/3000.
IHC-P		1/100 - 1/1000. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
ICC/IF		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



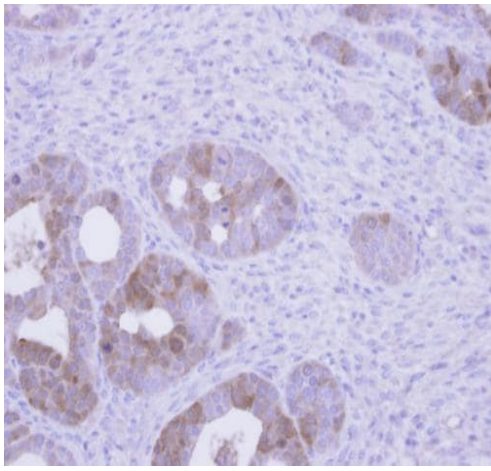
Western blot - Anti-Villin antibody (ab272876)

Anti-Villin antibody (ab272876) at 1/1000 dilution + Mouse kidney tissue at 50 µg

### Secondary

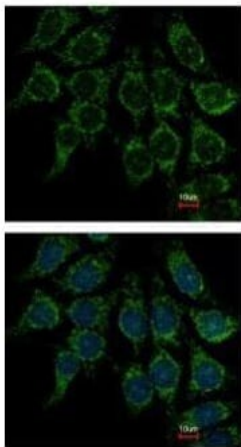
HRP-conjugated anti-rabbit IgG antibody

7.5% SDS-PAGE



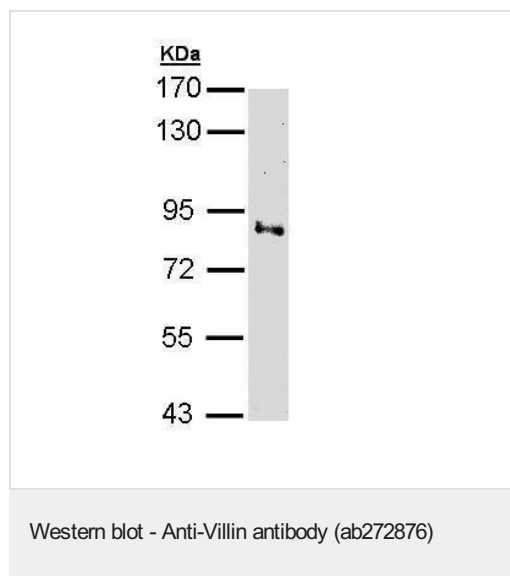
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Villin antibody (ab272876)

Paraffin-embedded NCIN87 xenograft tissue stained for Villin using ab272876 at 1/500 dilution in immunohistochemical analysis. Antigen retrieval using citrate buffer, pH 6, 15 minutes.



Immunocytochemistry/ Immunofluorescence - Anti-Villin antibody (ab272876)

Methanol-fixed Hep3B (human hepatocellular carcinoma cell line) cells stained for Villin using ab272876 at 1/500 dilution in ICC/IF (green). Co-stained with Hoechst 33342 (blue).



Anti-Villin antibody (ab272876) at 1/1000 dilution + H1299 (human non-small cell lung carcinoma cell line) whole cell lysate at 30 µg

7.5% SDS PAGE

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

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