

Product datasheet

Anti-Villin antibody ab272876

4 Images

Overview

Product name	Anti-Villin antibody
Description	Rabbit polyclonal to Villin
Host species	Rabbit
Tested applications	Suitable for: WB, IHC-P, ICC/IF
Species reactivity	Reacts with: Mouse, Human
Immunogen	Recombinant fragment within Human Villin (N terminal). The exact sequence is proprietary. Database link: P09327
Positive control	WB: Mouse kidney tissue extract, H1299 whole cell lysate. IHC-P: NCIN87 xenograft tissue. ICC/IF: Hep3B cells.
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. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.00 Preservative: 0.01% Thimerosal (merthiolate) Constituents: 1.21% Tris, 0.75% Glycine, 10% Glycerol (glycerin, glycerine)
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	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.

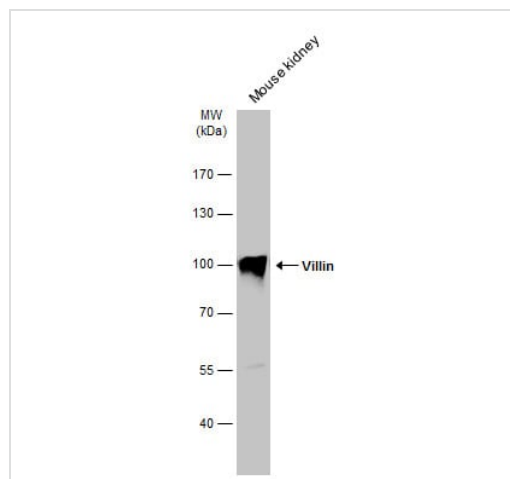
Domain

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



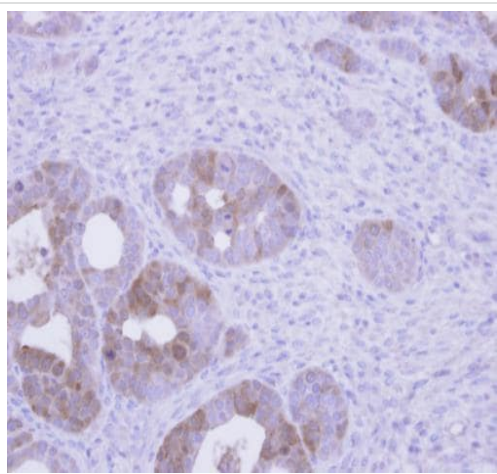
Western blot - Anti-Villin antibody (ab272876)

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

Secondary

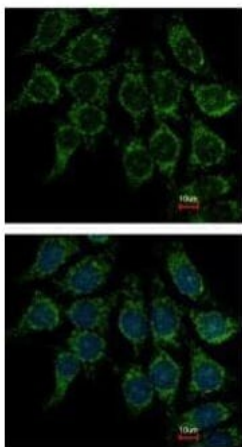
HRP-conjugated anti-rabbit IgG antibody

7.5% SDS-PAGE



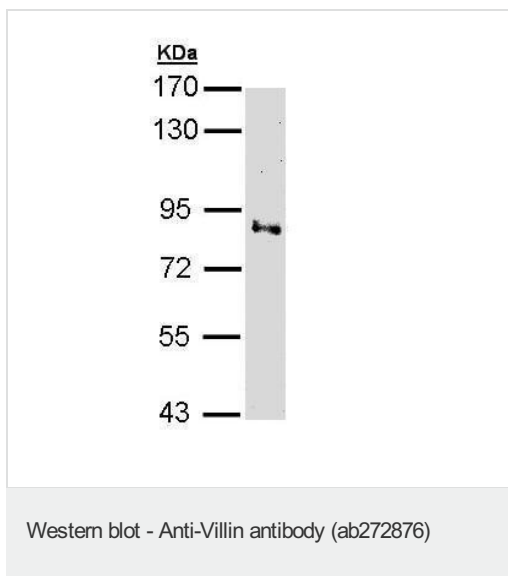
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Villin antibody (ab272876)

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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