

Product datasheet

Anti-Villin antibody ab244292

6 Images

Overview

Product name	Anti-Villin antibody
Description	Rabbit polyclonal to Villin
Host species	Rabbit
Tested applications	Suitable for: WB, ICC/IF, IHC-P
Species reactivity	Reacts with: Human
Immunogen	Recombinant fragment corresponding to Human Villin aa 150-300. Database link: P09327 Run BLAST with Run BLAST with
Positive control	IHC-P: Human kidney, colon, gallbladder and liver tissues. WB: Caco-2 cell lysate. ICC/IF: Caco-2 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: 7.20 Preservative: 0.02% Sodium azide Constituents: PBS, 40% Glycerol (glycerin, glycerine)
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab244292 in the following tested applications.

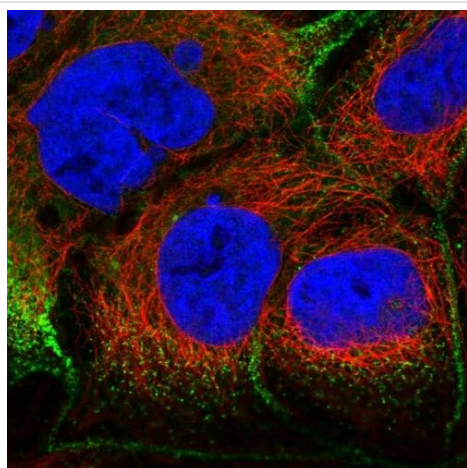
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use a concentration of 0.04 - 0.4 µg/ml. Predicted molecular weight: 97 kDa.
ICC/IF		Use a concentration of 0.25 - 2 µg/ml. Fixation/Permeabilization: PFA/Triton X-100.
IHC-P		1/200 - 1/500. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

Target

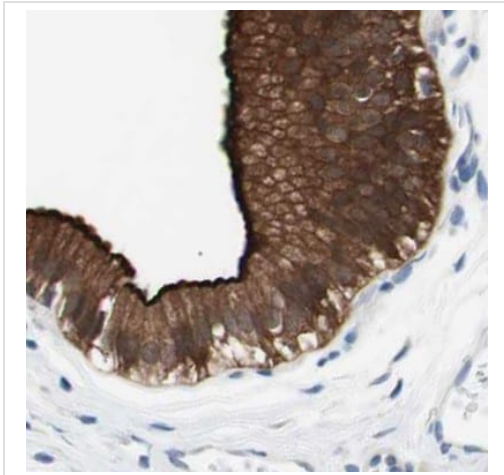
Function	Ca(2+)-regulated actin-binding protein.
Tissue specificity	Major component of microvilli of intestinal epithelial cells and kidney proximal tubule cells.
Sequence similarities	Belongs to the villin/gelsolin family. Contains 6 gelsolin-like repeats. Contains 1 HP (headpiece) domain.
Domain	Consists 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



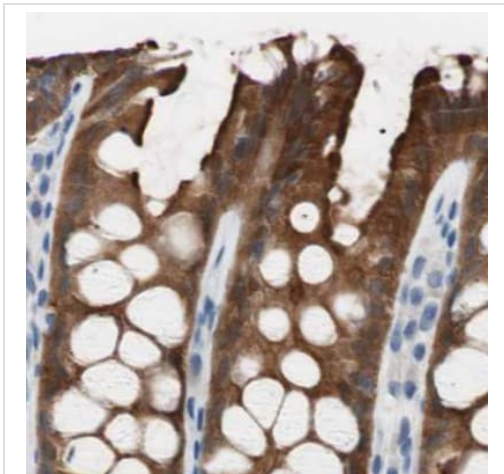
PFA-fixed, Triton X-100 permeabilized Caco-2 (human colorectal adenocarcinoma cell line) cells stained for Villin (green) using ab244292 at 4 µg/ml in ICC/IF.

Immunocytochemistry/ Immunofluorescence - Anti-Villin antibody (ab244292)



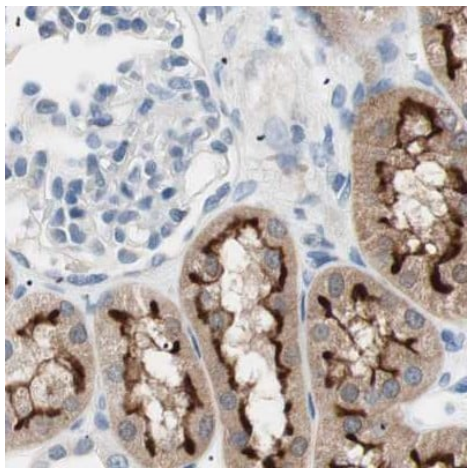
Paraffin-embedded human gallbladder tissue stained for Villin using ab244292 at 1/50 dilution in immunohistochemical analysis.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Villin antibody (ab244292)



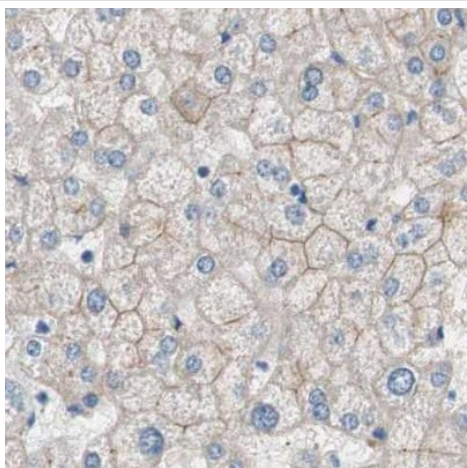
Paraffin-embedded human colon tissue stained for Villin using ab244292 at 1/50 dilution in immunohistochemical analysis.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Villin antibody (ab244292)



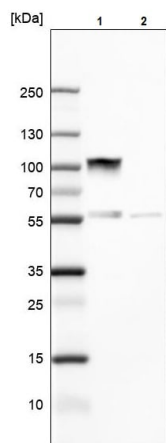
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Villin antibody (ab244292)

Paraffin-embedded human kidney tissue stained for Villin using ab244292 at 1/50 dilution in immunohistochemical analysis.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Villin antibody (ab244292)

Paraffin-embedded human liver tissue stained for Villin using ab244292 at 1/50 dilution in immunohistochemical analysis.



Western blot - Anti-Villin antibody (ab244292)

All lanes : Anti-Villin antibody (ab244292) at 0.4 µg/ml

Lane 1 : Caco-2 (human colorectal adenocarcinoma cell line) cell lysate

Lane 2 : PC-3 (human prostate adenocarcinoma cell line) cell lysate

Predicted band size: 97 kDa

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

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