

Product datasheet

Anti-Villin antibody ab233155

7 Images

Overview

Product name	Anti-Villin antibody
Description	Rabbit polyclonal to Villin
Host species	Rabbit
Tested applications	Suitable for: WB, IHC-P
Species reactivity	Reacts with: Mouse, Human, Pig
Immunogen	Recombinant fragment corresponding to Human Villin aa 1-320. Expressed in E. coli.

Sequence:

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MGSSHHHHHHSSGLVPRGSHMASMTGGQQMGRGSE
F-MTKLSAQVKGSLN
ITPGLQWRIEAMQMVPVPSSTFGSFFDGDICYILAIHK
TASSLSYDIH
YWIGQDSSLDEQGAAAYTTQMDDFLKGRAVQHREVQ
GNESEAFRGYFKQ
GLVIRKGGVASGMKHVETNSYDVQRLLHVKGKRNVA
GEVEMSWKSFNRG
DVFLLDLGKLIQWNGPESTRMERLRGMTLAKEIRDQE
RGGRTYVGVVDG
ENELASPKLMEVMNHVLGKRRELKAAVPDTVVEPAL
KAALKLYHVSDSEG
NLVVREVATRPLTQDLLSHEDCYILDQGGLKIVWKGK
KANEQEKKGAMS HALNFIK

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Database link: [P09327](#)

 [Run BLAST with](#)

 [Run BLAST with](#)

Positive control	IHC-P: Human prostate, prostate cancer, stomach cancer, pancreatic cancer and breast cancer tissue. WB: Recombinant human Villin protein. Mouse kidney and pig liver tissue lysate.
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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: 7.4

	Preservative: 0.02% Sodium azide Constituents: PBS, 50% Glycerol
Purity	Protein A purified
Purification notes	Antigen-specific affinity chromatography followed by Protein A affinity chromatography.
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab233155** in the following tested applications.

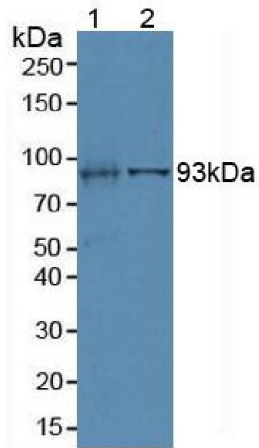
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use a concentration of 0.5 - 5 µg/ml. Predicted molecular weight: 93 kDa.
IHC-P		Use a concentration of 5 - 20 µg/ml.

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 (ab233155)

All lanes : Anti-Villin antibody (ab233155) at 3 µg/ml

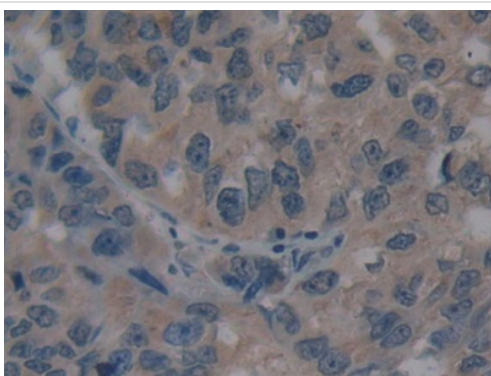
Lane 1 : Mouse kidney tissue lysate

Lane 2 : Pig liver tissue lysate

Secondary

All lanes : HRP-linked Guinea pig anti-Rabbit at 1/2000 dilution

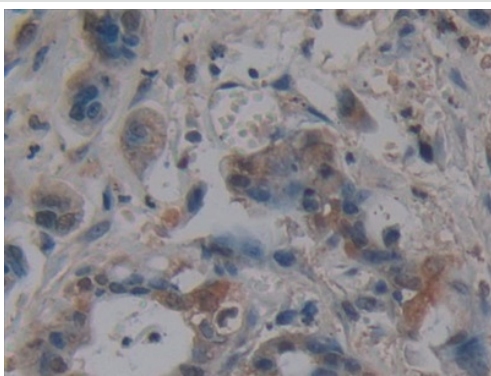
Predicted band size: 93 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Villin antibody (ab233155)

Formalin-fixed, paraffin-embedded human breast cancer tissue stained for Villin with ab233155 at 10 µg/ml in immunohistochemical analysis.

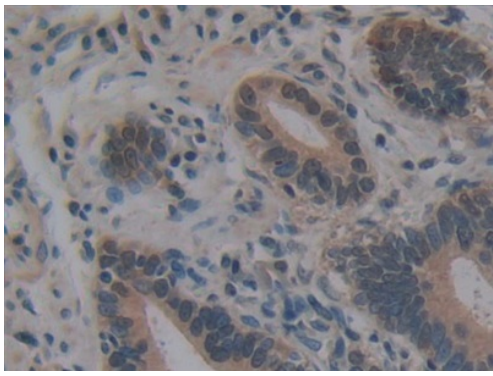
Secondary used: HRP-Linked Goat anti-Rabbit IgG polyclonal at 2 µg/ml. DAB staining.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Villin antibody (ab233155)

Formalin-fixed, paraffin-embedded human pancreatic cancer tissue stained for Villin with ab233155 at 10 µg/ml in immunohistochemical analysis.

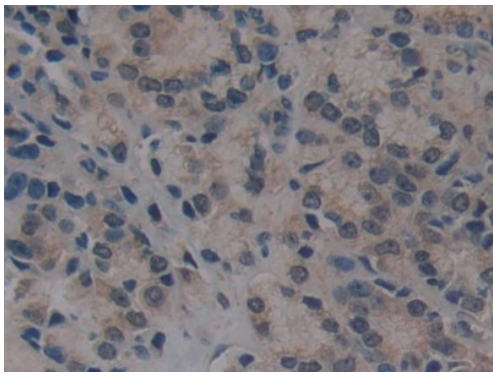
Secondary used: HRP-Linked Goat anti-Rabbit IgG polyclonal at 2 µg/ml. DAB staining.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Villin antibody (ab233155)

Formalin-fixed, paraffin-embedded human stomach cancer tissue stained for Villin with ab233155 at 10 $\mu\text{g/ml}$ in immunohistochemical analysis.

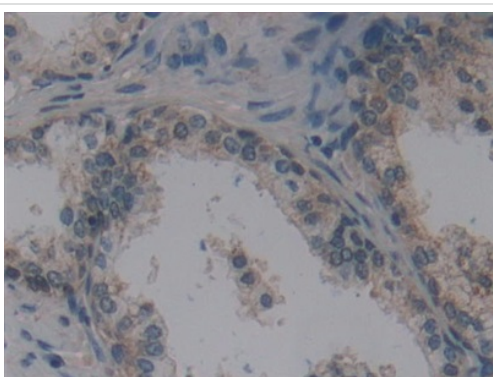
Secondary used: HRP-Linked Goat anti-Rabbit IgG polyclonal at 2 $\mu\text{g/ml}$. DAB staining.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Villin antibody (ab233155)

Formalin-fixed, paraffin-embedded human prostate cancer tissue stained for Villin with ab233155 at 10 $\mu\text{g/ml}$ in immunohistochemical analysis.

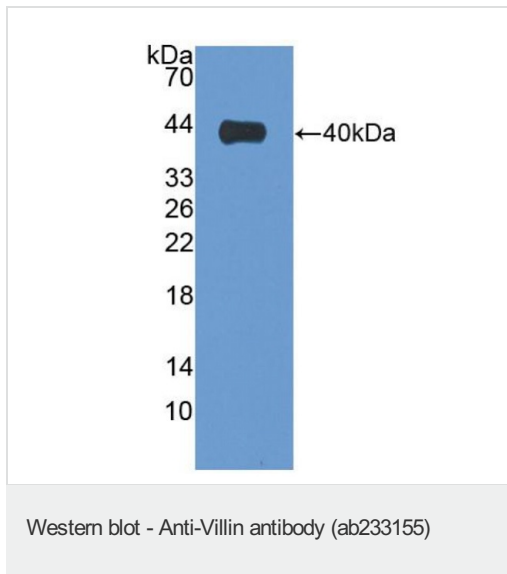
Secondary used: HRP-Linked Goat anti-Rabbit IgG polyclonal at 2 $\mu\text{g/ml}$. DAB staining.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Villin antibody (ab233155)

Formalin-fixed, paraffin-embedded human prostate tissue stained for Villin with ab233155 at 10 $\mu\text{g/ml}$ in immunohistochemical analysis.

Secondary used: HRP-Linked Goat anti-Rabbit IgG polyclonal at 2 $\mu\text{g/ml}$. DAB staining.



Anti-Villin antibody (ab233155) at 3 µg/ml + Recombinant human Villin protein

Predicted band size: 93 kDa

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