

Product datasheet

Anti-Villin antibody [5E3B2] ab202021

4 Images

Overview

Product name	Anti-Villin antibody [5E3B2]
Description	Mouse monoclonal [5E3B2] to Villin
Host species	Mouse
Tested applications	Suitable for: WB, IHC-P
Species reactivity	Reacts with: Human, Recombinant fragment
Immunogen	Recombinant fragment corresponding to Human Villin aa 1-250. Expressed in E. Coli. Database link: P09327 Run BLAST with Run BLAST with
Positive control	Recombinant fragment of Villin (aa 1-209); Villin (aa: 1-209)-hlgGFc transfected HEK293 cell lysate; Human muscle and stomach cancer tissues
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	Preservative: 0.05% Sodium azide Constituent: 99% PBS
Purity	Protein G purified
Purification notes	Purified from tissue culture supernatant.
Clonality	Monoclonal
Clone number	5E3B2
Isotype	IgG2b

Applications

The Abpromise guarantee

Our [Abpromise guarantee](#) covers the use of ab202021 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 - 1/2000. Predicted molecular weight: 93 kDa.
IHC-P		1/200 - 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.

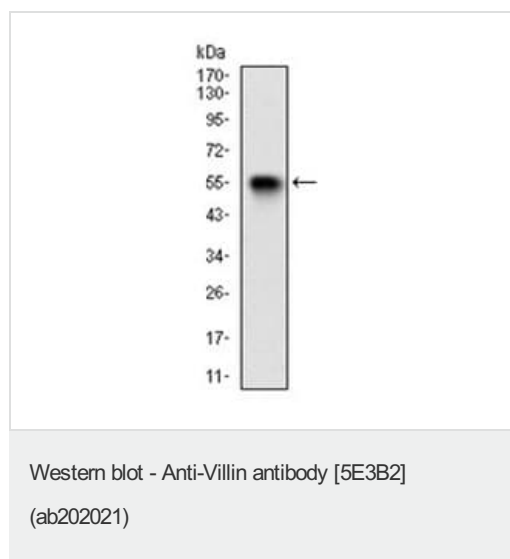
Domain

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

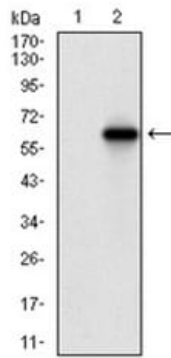


Anti-Villin antibody [5E3B2] (ab202021) at 1/500 dilution +

Recombinant fragment of Villin (aa 1-209) at 1 µg

Predicted band size: 93 kDa

Expected MW is 49 kDa



Western blot - Anti-Villin antibody [5E3B2] (ab202021)

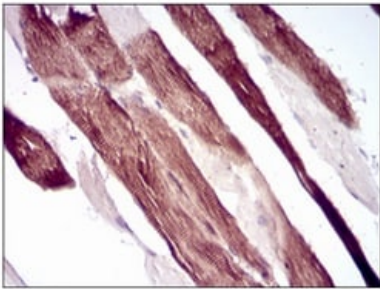
All lanes : Anti-Villin antibody [5E3B2] (ab202021) at 1/500 dilution

Lane 1 : Non transfected HEK293 cell lysate

Lane 2 : Villin (aa: 1-209)-hlgGFc transfected HEK293 cell lysate

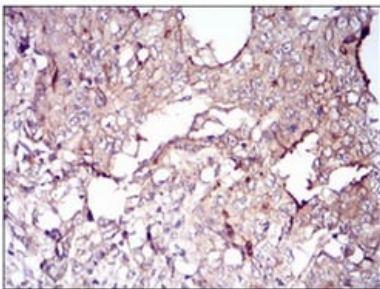
Lysates/proteins at 1 μ g per lane.

Predicted band size: 93 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Villin antibody [5E3B2] (ab202021)

Immunohistochemical analysis of paraffin embedded Human muscle tissue labeling Villin using ab202021 at 1/200 dilution, followed by DAB staining.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Villin antibody [5E3B2] (ab202021)

Immunohistochemical analysis of paraffin embedded Human stomach cancer tissue labeling Villin using ab202021 at 1/200 dilution, followed by DAB staining.

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