

# Product Datasheet

## Villin 1 Antibody - BSA Free NBP1-85335

Unit Size: 0.1 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

[www.novusbio.com](http://www.novusbio.com)



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### Publications: 5

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**NBP1-85335**

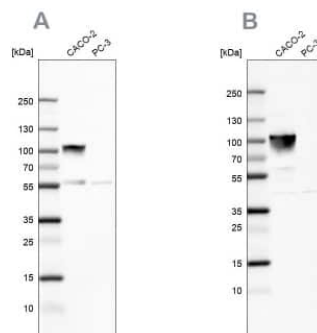
Villin 1 Antibody - BSA Free

Product Information	
<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.02% Sodium Azide
<b>Isotype</b>	IgG
<b>Purity</b>	Affinity purified
<b>Buffer</b>	PBS (pH 7.2) and 40% Glycerol
<b>Target Molecular Weight</b>	93 kDa
Product Description	
<b>Description</b>	Novus Biologicals Rabbit Villin 1 Antibody - BSA Free (NBP1-85335) is a polyclonal antibody validated for use in IHC, WB and ICC/IF. Anti-Villin 1 Antibody: Cited in 5 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Rabbit
<b>Gene ID</b>	7429
<b>Gene Symbol</b>	VIL1
<b>Species</b>	Human
<b>Reactivity Notes</b>	Immunogen displays the following percentage of sequence identity for non-tested species: Mouse (85%), Rat (86%).
<b>Immunogen</b>	This antibody was developed against Recombinant Protein corresponding to amino acids: NGPESTRMERLRGMLAKEIRDQERGGRTYVGVVDGENELASPKLMEVMNHV LGKRRELKAAVPDTVVEPALKAALKLYHVSDSEGNLHVREVATRPLTQDLLSHE
Product Application Details	
<b>Applications</b>	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence, Immunohistochemistry
<b>Recommended Dilutions</b>	Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:200 - 1:500, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:200 - 1:500
<b>Application Notes</b>	For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF Fixation/Permeabilization: PFA/Triton X-100.

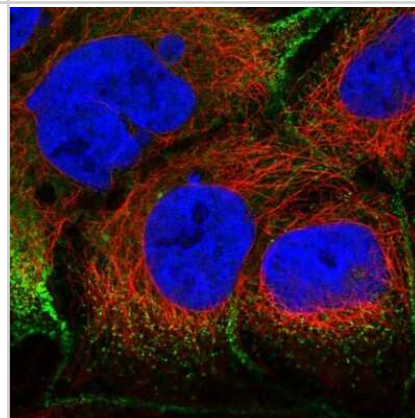


## Images

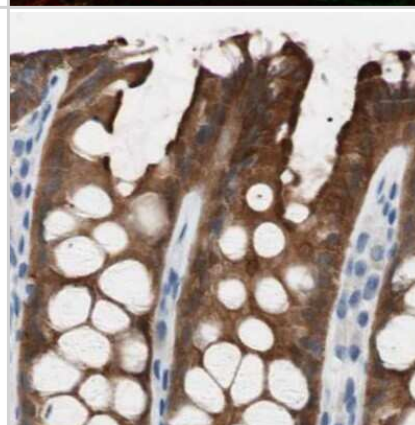
Western Blot: Villin 1 Antibody [NBP1-85335] - Analysis using Anti-VIL1 antibody NBP1-85335 (A) shows similar pattern to independent antibody NBP1-85336 (B).



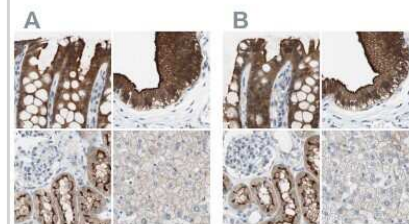
Immunocytochemistry/Immunofluorescence: Villin 1 Antibody [NBP1-85335] - Staining of human cell line CACO-2 shows localization to plasma membrane. Antibody staining is shown in green.



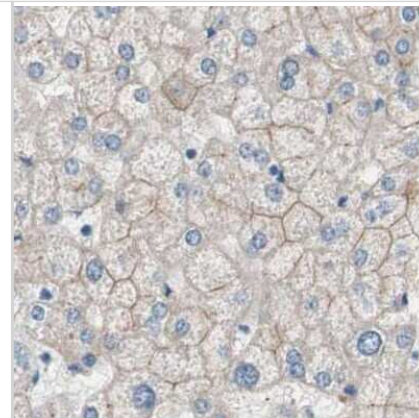
Immunohistochemistry-Paraffin: Villin 1 Antibody [NBP1-85335] - Staining of human colon.



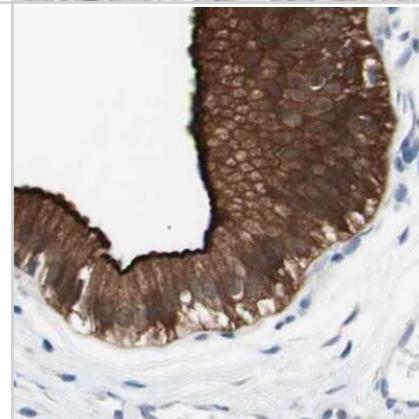
Immunohistochemistry-Paraffin: Villin 1 Antibody [NBP1-85335] - Staining of human colon, gallbladder, kidney and liver using Anti-VIL1 antibody NBP1-85335 (A) shows similar protein distribution across tissues to independent antibody NBP1-85336 (B).



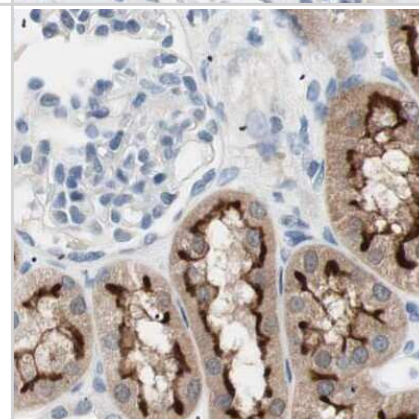
Immunohistochemistry-Paraffin: Villin 1 Antibody [NBP1-85335] - Staining of human liver.



Immunohistochemistry-Paraffin: Villin 1 Antibody [NBP1-85335] - Staining of human gallbladder.



Immunohistochemistry-Paraffin: Villin 1 Antibody [NBP1-85335] - Staining of human kidney.



## Publications

Prescott RA, Pankow AP, de Vries M et al. A comparative study of in vitro air-liquid interface culture models of the human airway epithelium evaluating cellular heterogeneity and gene expression at single cell resolution *Respiratory Research* 2023-08-28 [PMID: 37635251]

Takahashi J, Sugihara HY, Kato S et al. Controlled aggregative assembly to form self-organizing macroscopic human intestine from induced pluripotent stem cells *Cell Rep Methods* 2024-12-17 [PMID: 39662475]

Prescott RA, Pankow AP, de Vries M et al. A comparative study of in vitro air-liquid interface culture models of the human airway epithelium evaluating cellular heterogeneity and gene expression at single cell resolution *bioRxiv : the preprint server for biology* 2023-02-28 [PMID: 36909601] (Immunohistochemistry, Human)

Takahashi J, Mizutani T, Sugihara H et al. Suspension culture in a rotating bioreactor for efficient generation of human intestinal organoids *Cell reports methods* 2022-11-21 [PMID: 36452871] (IF/IHC, Human)

Kiflemariam S, Andersson S, Asplund A et al. Scalable in situ hybridization on tissue arrays for validation of novel cancer and tissue-specific biomarkers. *PLoS One* 2012-01-01 [PMID: 22412953]



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### **Products Related to NBP1-85335**

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NBP1-85335PEP	Villin 1 Recombinant Protein Antigen
NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

For more information on our 100% guarantee, please visit [www.novusbio.com/guarantee](http://www.novusbio.com/guarantee)

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