

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.

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Publications: 5

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NBP1-85335

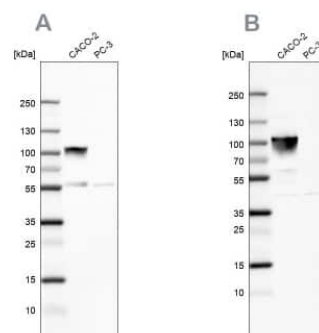
Villin 1 Antibody - BSA Free

Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	PBS (pH 7.2) and 40% Glycerol
Target Molecular Weight	93 kDa
Product Description	
Description	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.
Host	Rabbit
Gene ID	7429
Gene Symbol	VIL1
Species	Human
Reactivity Notes	Immunogen displays the following percentage of sequence identity for non-tested species: Mouse (85%), Rat (86%).
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: NGPESTRMERLRGMTLAKEIRDQERGGRTYVGVVDGENELASPKLMEVMNHV LGKRRELKAAVPDVTVEPALKAALKLYHVSDSEGNLVVREVATRPLTQDLLSHE
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence, Immunohistochemistry
Recommended Dilutions	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
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF Fixation/Permeabilization: PFA/Triton X-100.

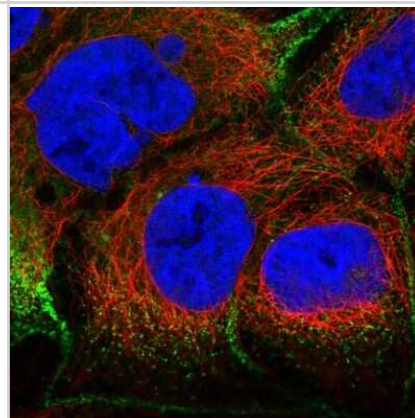


Images

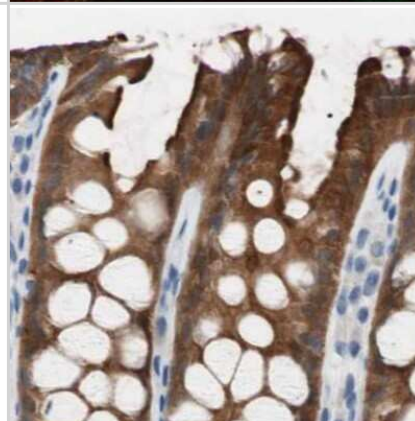
Western Blot: Villin 1 Antibody [NBP1-85335] - Analysis using Anti-VIL1 antibody NBP1-85335 (A) shows similar pattern to independent antibody NBP1-85336 (B).



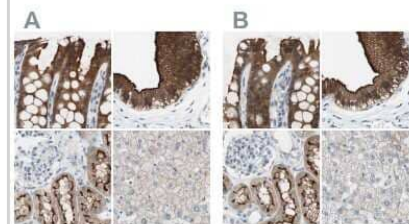
Immunocytochemistry/Immunofluorescence: Villin 1 Antibody [NBP1-85335] - Staining of human cell line CACO-2 shows localization to plasma membrane. Antibody staining is shown in green.



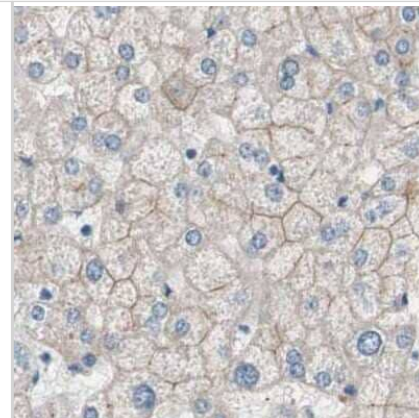
Immunohistochemistry-Paraffin: Villin 1 Antibody [NBP1-85335] - Staining of human colon.



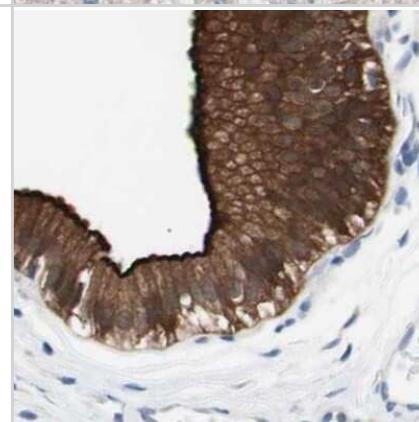
Immunohistochemistry-Paraffin: Villin 1 Antibody [NBP1-85335] - Staining of human colon, gallbladder, kidney and liver using Anti-VIL1 antibody NBP1-85335 (A) shows similar protein distribution across tissues to independent antibody NBP1-85336 (B).



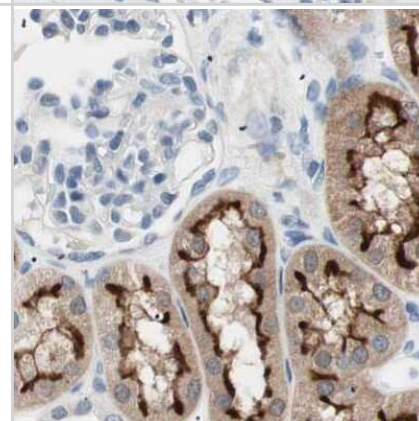
Immunohistochemistry-Paraffin: Villin 1 Antibody [NBP1-85335] - Staining of human liver.



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

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

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.

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