

Product Datasheet

Villin 1 Antibody - BSA Free NBP1-32841

Unit Size: 100 ul

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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NBP1-32841

Villin 1 Antibody - BSA Free

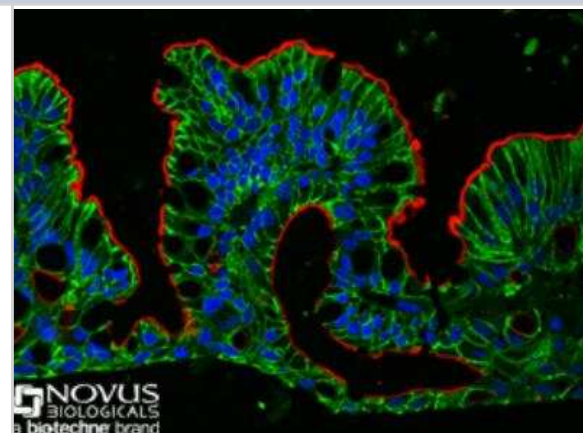
Product Information	
Unit Size	100 ul
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.025% Proclin 300
Isotype	IgG
Purity	Antigen Affinity-purified
Buffer	PBS (pH 7), 20% Glycerol
Target Molecular Weight	93 kDa

Product Description	
Host	Rabbit
Gene ID	7429
Gene Symbol	VIL1
Species	Human, Mouse, Rat, Canine, Feline
Reactivity Notes	Cat (100%).
Immunogen	Recombinant protein encompassing a sequence within the N-terminus region of human Villin 1. The exact sequence is proprietary.

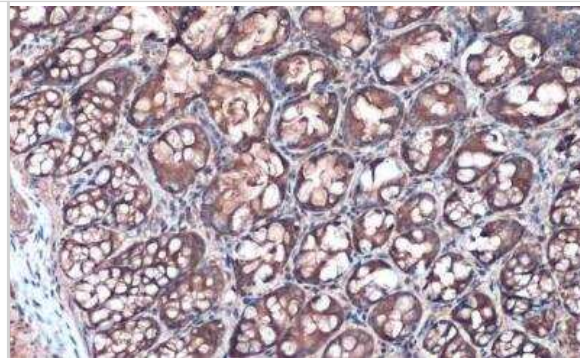
Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1:500-1:10000, Immunohistochemistry 1:100-1:1000, Immunocytochemistry/ Immunofluorescence 1:100-1:1000, Immunohistochemistry-Paraffin 1:100-1:1000, Immunohistochemistry-Frozen Assay dependent

Images

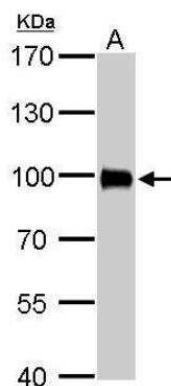
Immunocytochemistry/Immunofluorescence: Villin 1 Antibody [NBP1-32841] - Villin 1 and Cadherin-17 were detected in immersion fixed, paraffin-embedded sections of MimEX adult stem cell-derived ascending colon tissue with Mouse Anti-Human Cadherin-17 Monoclonal Antibody (Catalog # MAB1032) at 1.25 ug/mL and Rabbit Anti-Human/Mouse/Rat/Bovine Villin 1 Antibody (Catalog # NBP1-32841) at 0.62 ug/mL overnight at 4 C. Tissue was then stained using the NorthernLights 493-conjugated Anti-Mouse IgG Secondary Antibody (green; Catalog # NL009) and NorthernLights 557-conjugated Anti-Rabbit IgG Secondary Antibody (red; Catalog # NL004) and counterstained with DAPI (blue). Cadherin-17 staining was detected in cellular membranes throughout the epithelial layer while Villin 1 staining was localized specifically to the apical surface of the polarized epithelial layer.



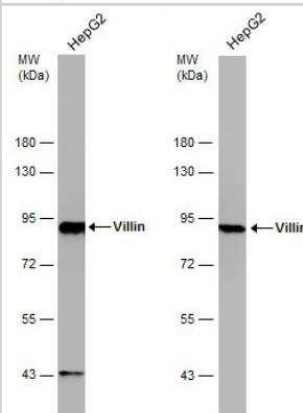
Immunohistochemistry-Paraffin: Villin 1 Antibody [NBP1-32841] - Rat colon. Villin stained by Villin antibody diluted at 1:500. Antigen Retrieval: Citrate buffer, pH 6.0, 15 min.



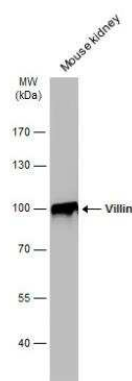
Western Blot: Villin 1 Antibody [NBP1-32841] - A. 50 ug rat kidney lysate/extract 7.5 % SDS-PAGE Villin antibody dilution: 1:2000



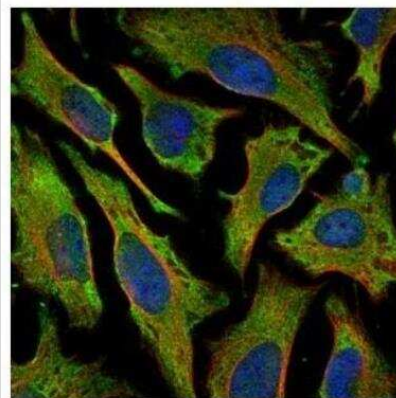
Western Blot: Villin 1 Antibody [NBP1-32841] - Whole cell extract (30 ug) was separated by 7.5% SDS-PAGE, and the membranes were blotted with Villin antibody. HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody.



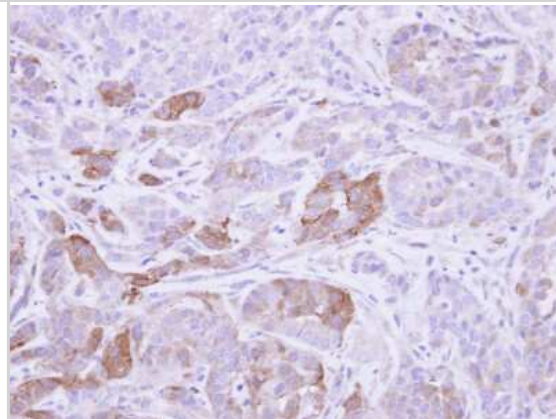
Western Blot: Villin 1 Antibody [NBP1-32841] - Mouse tissue extract (50 ug) was separated by 7.5% SDS-PAGE, and the membrane was blotted with Villin antibody diluted at 1:1000. The HRP-conjugated anti-rabbit IgG antibody (NBP2-19301) was used to detect the primary antibody.



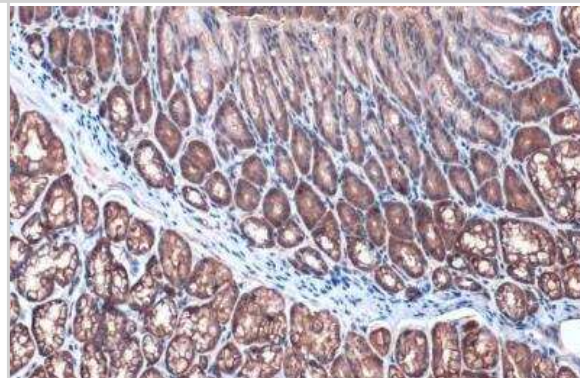
Immunocytochemistry/Immunofluorescence: Villin 1 Antibody [NBP1-32841] - Analysis of methanol-fixed HeLa, using Villin antibody (Green) at 1:500 dilution. Alpha-tubulin filaments were labeled with an alpha Tubulin antibody (Red) at 1:2000.



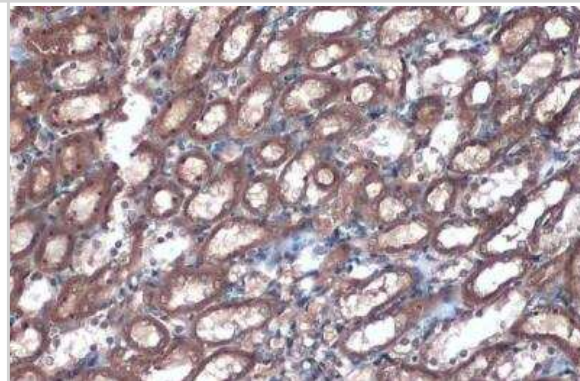
Immunohistochemistry-Paraffin: Villin 1 Antibody [NBP1-32841] - Paraffin-embedded A549 xenograft, using antibody at 1:500 dilution.



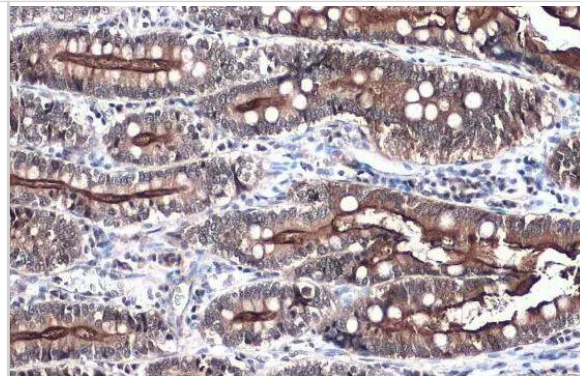
Immunohistochemistry-Paraffin: Villin 1 Antibody [NBP1-32841] - Mouse duodenum. Villin stained by Villin antibody diluted at 1:500. Antigen Retrieval: Citrate buffer, pH 6.0, 15 min.



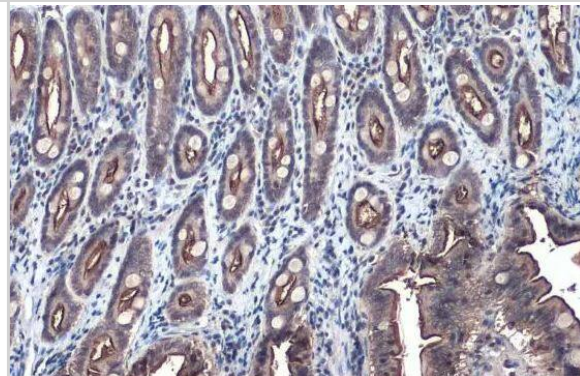
Immunohistochemistry-Paraffin: Villin 1 Antibody [NBP1-32841] - Rat kidney. Villin stained by Villin antibody diluted at 1:500. Antigen Retrieval: Citrate buffer, pH 6.0, 15 min.



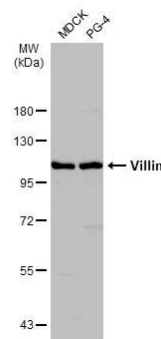
Immunohistochemistry-Paraffin: Villin 1 Antibody [NBP1-32841] - Dog intestine. VIL1 stained by Villin antibody diluted at 1:500. Antigen Retrieval: Citrate buffer, pH 6.0, 15 min



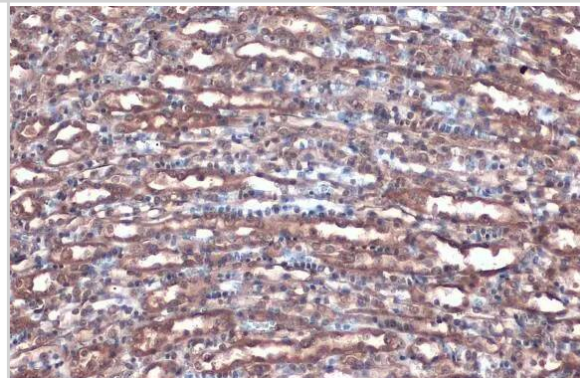
Immunohistochemistry-Paraffin: Villin 1 Antibody [NBP1-32841] - Cat colon. VIL1 stained by Villin antibody diluted at 1:500. Antigen Retrieval: Citrate buffer, pH 6.0, 15 min



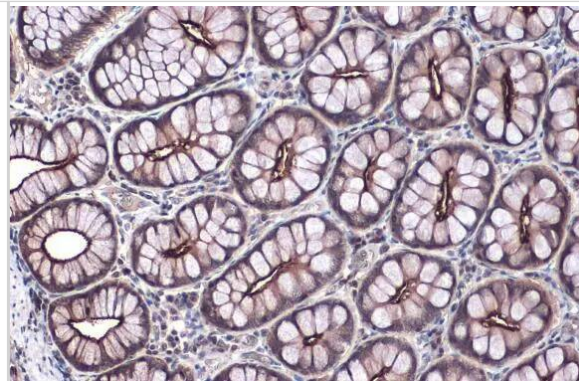
Western Blot: Villin 1 Antibody [NBP1-32841] - Various whole cell extracts (30 ug) were separated by 7.5% SDS-PAGE, and the membrane was blotted with Villin 1 antibody (NBP1-32841) diluted at 1:500. The HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody.



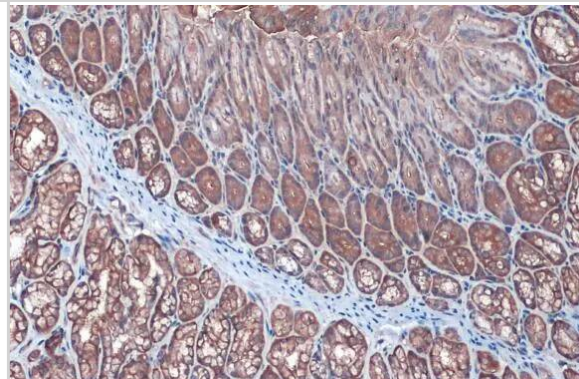
Immunohistochemistry-Paraffin: Villin 1 Antibody [NBP1-32841] - Villin 1 antibody detects Villin 1 protein at cytoplasm by immunohistochemical analysis. Sample: Paraffin-embedded mouse kidney. Villin 1 stained by Villin 1 antibody (NBP1-32841) diluted at 1:500. Antigen Retrieval: Citrate buffer, pH 6.0, 15 min



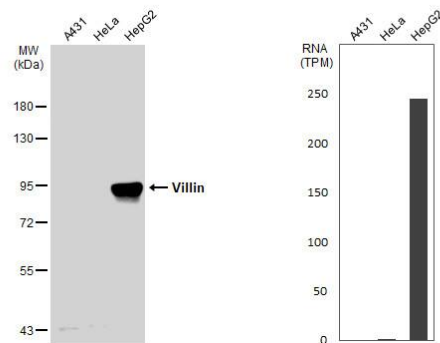
Immunohistochemistry-Paraffin: Villin 1 Antibody [NBP1-32841] - Villin 1 antibody detects VIL1 protein at cell membrane by immunohistochemical analysis. Sample: Paraffin-embedded dog colon. VIL1 stained by Villin 1 antibody (NBP1-32841) diluted at 1:500. Antigen Retrieval: Citrate buffer, pH 6.0, 15 min



Immunohistochemistry-Paraffin: Villin 1 Antibody [NBP1-32841] - Villin 1 antibody detects Villin 1 protein at cytoplasm by immunohistochemical analysis. Sample: Paraffin-embedded mouse duodenum. Villin 1 stained by Villin 1 antibody (NBP1-32841) diluted at 1:500. Antigen Retrieval: Citrate buffer, pH 6.0, 15 min



Western Blot: Villin 1 Antibody [NBP1-32841] - Various whole cell extracts (30 ug) were separated by 7.5% SDS-PAGE, and the membrane was blotted with Villin antibody diluted at 1:2000. The HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody. Corresponding RNA expression data for the same cell lines are based on Human Protein Atlas program.



Publications

Frede A, Czarnewski P, Monasterio G et al. B cell expansion hinders the stroma-epithelium regenerative cross talk during mucosal healing *Immunity* 2022-12-13 [PMID: 36462502]



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Products Related to NBP1-32841

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
H00007429-P01-10ug	Recombinant Human Villin 1 GST (N-Term) Protein

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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