

Product Datasheet

Villin 1 Antibody (VIL1/1325)

NBP2-53201-100ug

Unit Size: 100 ug

Store at 4C.

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NBP2-53201-100ug

Villin 1 Antibody (VIL1/1325)

Product Information	
Unit Size	100 ug
Concentration	0.2 mg/ml
Storage	Store at 4C.
Clonality	Monoclonal
Clone	VIL1/1325
Preservative	0.05% Sodium Azide
Isotype	IgG1 Kappa
Purity	Protein A or G purified
Buffer	10 mM PBS with 0.05% BSA
Target Molecular Weight	93 kDa

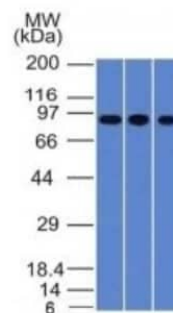
Product Description	
Description	200ug/ml of antibody purified from Bioreactor Concentrate by Protein A or G. Prepared in 10 mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0 mg/ml. (NBP2-54515) Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80C.
Host	Mouse
Gene ID	7429
Gene Symbol	VIL1
Species	Human
Marker	GI-Mucosal & Urogenital Brush Border Marker
Specificity/Sensitivity	Recognizes a protein of 95kDa, which is identified as villin. It is a major constituent in the microvilli, which compose the brush border of epithelial cells forming absorptive surfaces of the intestinal and renal proximal tubular epithelia. Anti-Villin labels the brush border area in the gastrointestinal mucosal epithelium and urogenital tract. Among neoplasms, villin is predominantly expressed in tumors of colorectal origin. Antibody to villin is useful in identifying malignant cells from primary and metastatic colorectal carcinomas. This antibody also labels Merkel cells of the skin.
Immunogen	Recombinant human Villin 1 fragment (around aa179-311) (exact sequence is proprietary)) (Uniprot: P09327)

Product Application Details	
Applications	Western Blot, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1-2 ug/ml, Immunohistochemistry, Immunohistochemistry-Paraffin 0.25-0.5 ug/ml
Application Notes	Immunohistochemistry (Formalin-fixed): 0.25-0.5ug/ml for 30 minutes at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95C followed by cooling at RT for 20 minutes. Optimal dilution for a specific application should be determined. Western Blot: 1-2ug/ml for 60 minutes at RT.

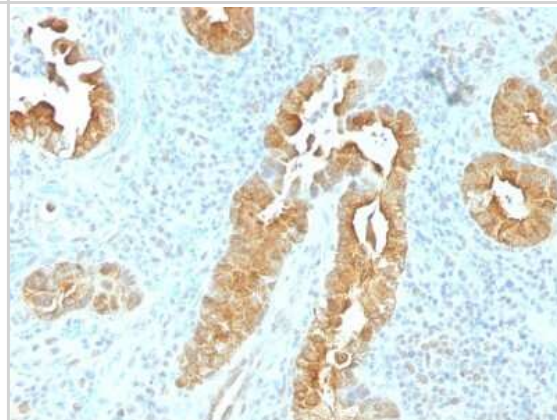


Images

Western Blot: Villin 1 Antibody (VIL1/1325) [NBP2-53201] - Western Blot of A549, HepG2 & HCT116 Cell Lysates with Villin Monoclonal Antibody (VIL1/1325).



Immunohistochemistry-Paraffin: Villin 1 Antibody (VIL1/1325) [NBP2-53201] - Formalin-fixed, paraffin-embedded human Rectum stained with Villin Monoclonal Antibody (VIL1/1325).



Immunohistochemistry-Paraffin: Villin 1 Antibody (VIL1/1325) [NBP2-53201] - Formalin-fixed, paraffin-embedded human Colon stained with Villin Monoclonal Antibody (VIL1/1325).



Publications

Chao Li, Mouhita Humayun, Glenn M. Walker, Keon Young Park, Bryce Connors, Jun Feng, Molly C. Pellitteri Hahn, Cameron O. Scarlett, Jiayi Li, Yanbo Feng, Ryan L. Clark, Hunter Hefti, Jonathan Schrope, Ophelia S. Venturelli, David J. Beebe Under ☐ Oil Autonomously Regulated Oxygen Microenvironments: A Goldilocks Principle ☐ Based Approach for Microscale Cell Culture Advanced Science 2022-02-04 [PMID: 35118834]



Novus Biologicals USA

10730 E. Briarwood Avenue
Centennial, CO 80112
USA
Phone: 303.730.1950
Toll Free: 1.888.506.6887
Fax: 303.730.1966
nb-customerservice@bio-techne.com

Bio-Techne Canada

21 Canmotor Ave
Toronto, ON M8Z 4E6
Canada
Phone: 905.827.6400
Toll Free: 855.668.8722
Fax: 905.827.6402
canada.inquires@bio-techne.com

Bio-Techne Ltd

19 Barton Lane
Abingdon Science Park
Abingdon, OX14 3NB, United Kingdom
Phone: (44) (0) 1235 529449
Free Phone: 0800 37 34 15
Fax: (44) (0) 1235 533420
info.EMEA@bio-techne.com

General Contact Information

www.novusbio.com
Technical Support: nb-technical@bio-techne.com
Orders: nb-customerservice@bio-techne.com
General: novus@novusbio.com

Products Related to NBP2-53201-100ug

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-43319-0.5mg	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)
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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