

Product Datasheet

Villin Antibody (orb2640156)

Description	Recognizes a protein of ~93kDa which is identified as Villin (VIL1). 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.
Species/Host	Mouse
Reactivity	Human
Conjugation	Unconjugated
Tested Applications	IHC-P, WB
Immunogen	Amino acids 179-311 from the human protein were used as the immunogen for this Villin antibody.
Preservatives	0.2 mg/ml in 1X PBS with 0.1 mg/ml rAlbumin (US sourced) and 0.05% sodium azide
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Note	For research use only
Application notes	Titration of the Villin antibody may be required for optimal performance.
Formula	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide
Isotype	Mouse IgG1, kappa
Clonality	Monoclonal
Clone Number	VIL1/1314

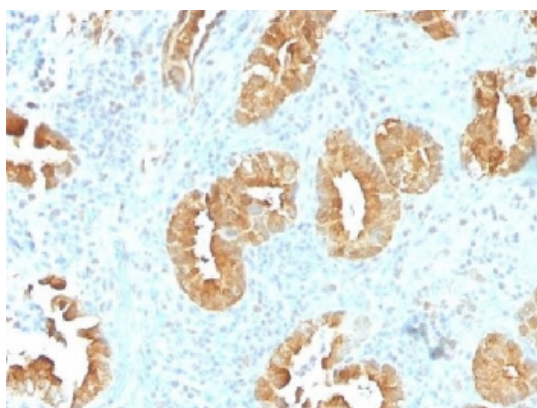
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Antibody Type	Primary Antibody
Purity	Protein G affinity chromatography
Uniprot ID	P09327
Hazard Information	This Villin antibody is available for research use only.
Dilution Range	Western blot: 1-2ug/ml for 60 min at RT,Immunohistochemistry (FFPE): 0.25-0.5ug/ml for 30 min at RT
Expiration Date	12 months from date of receipt.



IHC testing of FFPE human rectum tissue with Villin antibody (clone VIL1/1314). Required HIER: boil tissue sections in 10mM citrate buffer, pH6, for 10-20 min followed by cooling at RT for 20 min.



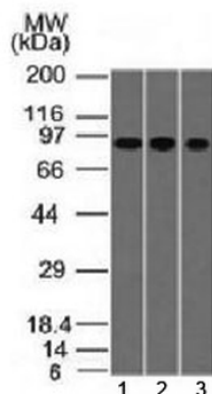
IHC testing of FFPE human colon with Villin antibody (clone VIL1/1314). Required HIER: boil tissue sections in 10mM citrate buffer, pH6, for 10-20 min followed by cooling at RT for 20 min.

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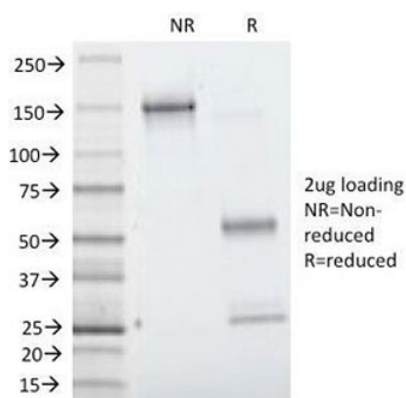
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Western blot testing of human 1) A549, 2) HepG2 and 3) HCT-116 cell lysate with Villin antibody (clone VIL1/1314). Expected molecular weight ~93 kDa.



SDS-PAGE Analysis of Purified, BSA-Free Villin Antibody (clone VIL1/1314). Confirmation of Integrity and Purity of the Antibody.

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