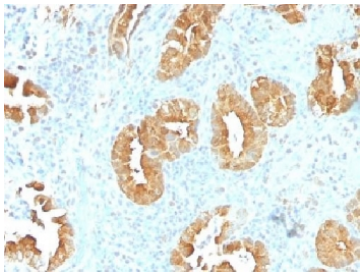
Villin Antibody / VIL1 [clone VIL1/1314] (V3357)

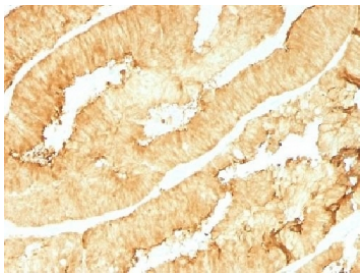
Catalog No.	Formulation	Size
V3357-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V3357-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V3357SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

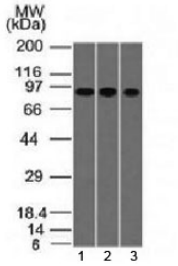
Species Reactivity	Human
Format	Purified
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	VIL1/1314
Purity	Protein G affinity chromatography
Buffer	1X PBS, pH 7.4
UniProt	P09327
Localization	Cytoplasmic and cell surface
Applications	Western Blot : 1-2ug/ml for 60 min at RT Immunohistochemistry (FFPE) : 0.25-0.5ug/ml for 30 min at RT
Limitations	This Villin antibody is available for research use only.



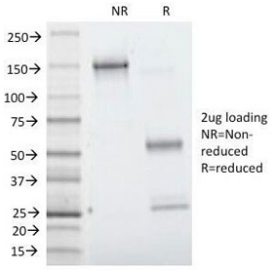
IHC testing of FFPE human rectum tissue with Villin antibody (clone VIL1/1314). Required HIER: boil tissue sections in 10mM citrate buffer, pH 6, for 10-20 min followed by cooling at RT for 20 min.



IHC testing of FFPE human colon with Villin antibody (clone VIL1/1314). Required HIER: boil tissue sections in 10mM citrate buffer, pH 6, for 10-20 min followed by cooling at RT for 20 min.



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.

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.

Application Notes

Titration of the Villin antibody may be required for optimal performance.

Immunogen

Amino acids 179-311 from the human protein were used as the immunogen for this Villin antibody.

Storage

Store the Villin antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).