

Datasheet for ABIN6940871
anti-Villin 1 antibody (AA 179-311)[Go to Product page](#)

4 Images

Overview

Quantity:	100 µg
Target:	Villin 1 (VIL1)
Binding Specificity:	AA 179-311
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Villin 1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Staining Methods (StM)

Product Details

Immunogen:	Recombinant human Villin fragment (around aa179-311) (exact sequence is proprietary)
Clone:	VIL1-1314
Isotype:	IgG1 kappa
Specificity:	Recognizes a protein of 95 kDa, 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.
Purification:	Purified by Protein A/G

Target Details

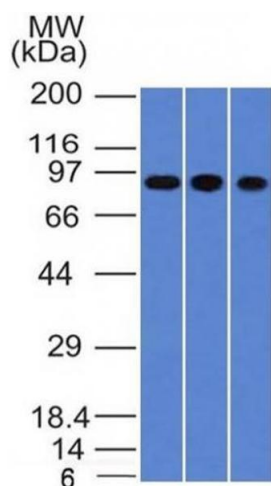
Target:	Villin 1 (VIL1)
Alternative Name:	VIL1 (VIL1 Products)
Molecular Weight:	93kDa
Gene ID:	7429
UniProt:	P09327
Pathways:	EGFR Signaling Pathway , Regulation of Actin Filament Polymerization

Application Details

Application Notes:	Positive Control: A549, HepG2 and HCT116 cells. Colon or Rectum. Known Application: Western Blot (1-2 µg/mL for 60 minutes at RT), Immunohistochemistry (Formalin-fixed) (0.25-0.5 µg/mL for 30 minutes at RT)(Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes)Optimal dilution for a specific application should be determined.
Restrictions:	For Research Use only

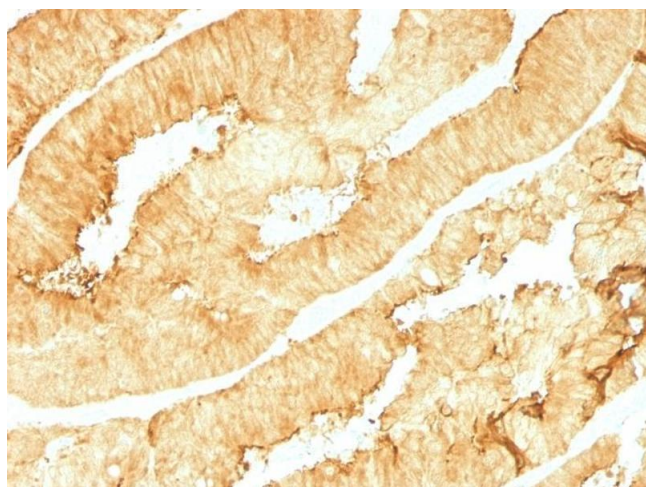
Handling

Concentration:	200 µg/mL
Buffer:	10 mM PBS with 0.05 % BSA & 0.05 % azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C, -80 °C
Storage Comment:	Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.
Expiry Date:	24 months



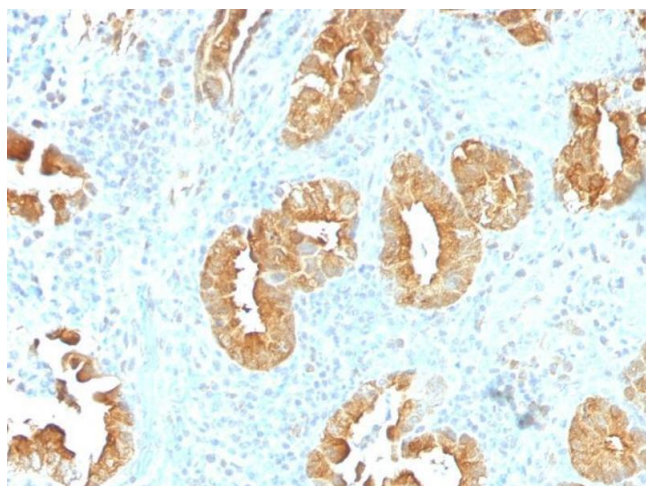
Western Blotting

Image 1. Western Blot of A549, HepG2 & HCT116 cell lysates with Villin Monoclonal Antibody (VIL1/1314).



Immunohistochemistry

Image 2. Formalin-fixed, paraffin-embedded human Colon stained with Villin Monoclonal Antibody (VIL1/1314).



Immunohistochemistry

Image 3. Formalin-fixed, paraffin-embedded human Rectum stained with Villin Monoclonal Antibody (VIL1/1314).

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN6940871.