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Datasheet for ABIN4949934
anti-Villin 1 antibody (AA 179-311)

3 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), Immunofluorescence (IF), Flow Cytometry (FACS), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	Amino acids 179-311 from the human protein were used as the immunogen for this Villin antibody.
Clone:	VIL1-1314
Isotype:	IgG1 kappa
Purification:	Protein G affinity chromatography

Target Details

Target:	Villin 1 (VIL1)
Alternative Name:	Villin (VIL1 Products)

Target Details

Background: Recognizes a protein of ~93 kDa 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.

Pathways: [EGFR Signaling Pathway](#), [Regulation of Actin Filament Polymerization](#)

Application Details

Application Notes: Titration of the Villin antibody may be required for optimal performance. \. FACS: 0.5-1 µg/10⁶ cells in 0.1ml,IF: 1-2 µg/mL,Western blot: 1-2 µg/mL,IHC (FFPE): 0.25-0.5 µg/mL for 30 min at RT

Restrictions: For Research Use only

Handling

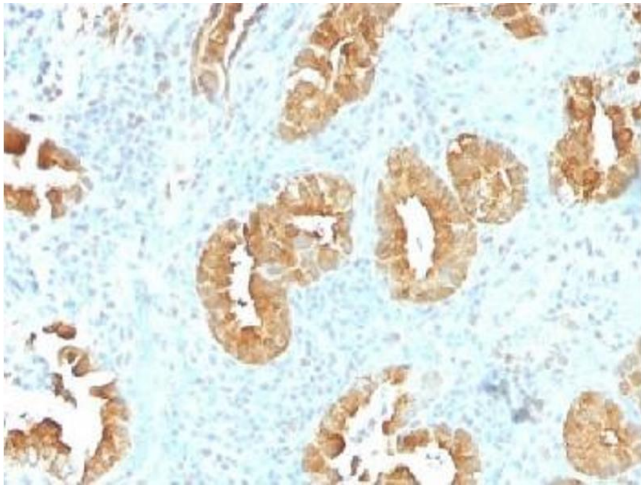
Concentration: 1 mg/mL

Buffer: 1 mg/mL in 1X PBS, BSA free, sodium azide free

Preservative: Azide free

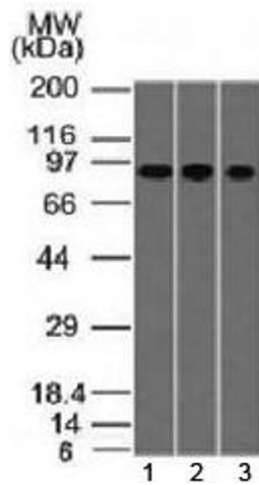
Storage: 4 °C,-20 °C

Storage Comment: Store the Villin antibody at 2-8°C (with azide) or aliquot and store at -20°C or colder (without azide).



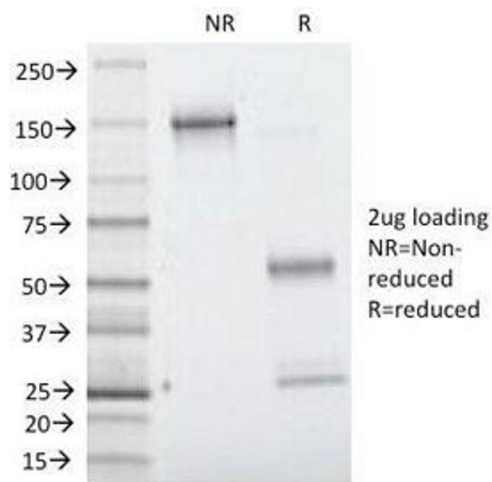
Immunohistochemistry

Image 1. 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.



Western Blotting

Image 2. 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

Image 3. SDS-PAGE Analysis of Purified, BSA-Free Villin Antibody (clone VIL1/1314). Confirmation of Integrity and Purity of the Antibody.