

Datasheet for ABIN3042343  
**anti-Villin 1 antibody (C-Term)**[Go to Product page](#)

## 4 Images

## Overview

Quantity:	100 µg
Target:	Villin 1 (VIL1)
Binding Specificity:	AA 770-799, C-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Villin 1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

## Product Details

Purpose:	Rabbit IgG polyclonal antibody for Villin-1(VIL1) detection. Tested with WB, IHC-P in Human,Mouse,Rat.
Immunogen:	A synthetic peptide corresponding to a sequence at the C-terminus of human Villin (770-799 aa EQLVNKPVEELPEGVDPSRKEEHLSEDFT), different from the related mouse sequence by three amino acids.
Sequence:	EQLVNKPVEE LPEGVDPSRK EEHLSEDFT
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	Rabbit IgG polyclonal antibody for Villin-1(VIL1) detection. Tested with WB, IHC-P in Human,Mouse,Rat. Gene Name: villin 1

## Product Details

Protein Name: Villin-1

Purification: Immunogen affinity purified.

## Target Details

Target: Villin 1 (VIL1)

Alternative Name: VIL1 ([VIL1 Products](#))

Background: Villin is known as VIL1. This gene encodes a member of a family of calcium-regulated actin-binding proteins. This protein represents a dominant part of the brush border cytoskeleton which functions in the capping, severing, and bundling of actin filaments. Two mRNAs of 2.7 kb and 3.5 kb have been observed, they result from utilization of alternate poly-adenylation signals present in the terminal exon. In vertebrates, the villin proteins help to support the microfilaments of the microvilli of the brush border. It may play a role in cell plasticity through F-actin severing.

Synonyms: D2S1471 antibody|OTTHUMP00000164145 antibody|VIL antibody|VIL1 antibody|VILI\_HUMAN antibody|Villin 1 antibody|Villin-1 antibody|Villin1 antibody

Gene ID: 7429

UniProt: [P09327](#)

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

## Application Details

Application Notes: WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Human, Mouse, Rat, The detection limit for Villin is approximately 0.1 ng/lane under reducing conditions.  
IHC-P: Concentration: 0.5-1 µg/mL, Tested Species: Human, Mouse, Rat, Epitope Retrieval by Heat: Boiling the paraffin sections in 10 mM citrate buffer, pH 6.0, for 20 mins is required for the staining of formalin/paraffin sections.  
Notes: Tested Species: Species with positive results. Other applications have not been tested. Optimal dilutions should be determined by end users.

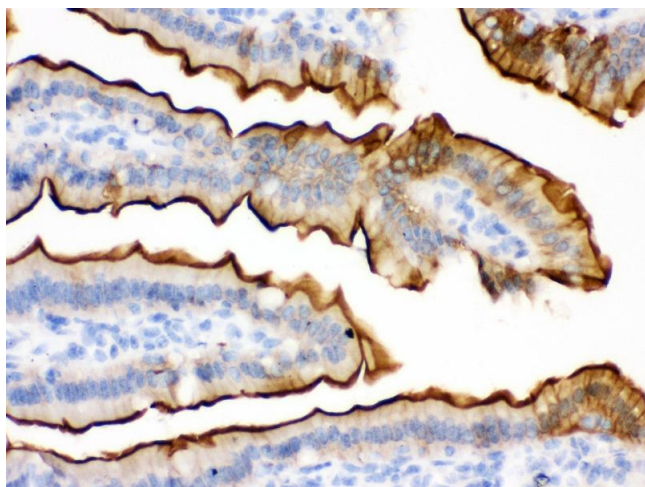
Comment: Antibody can be supported by chemiluminescence kit ABIN921124 in WB, supported by ABIN921231 in IHC(P).

Restrictions: For Research Use only

## Handling

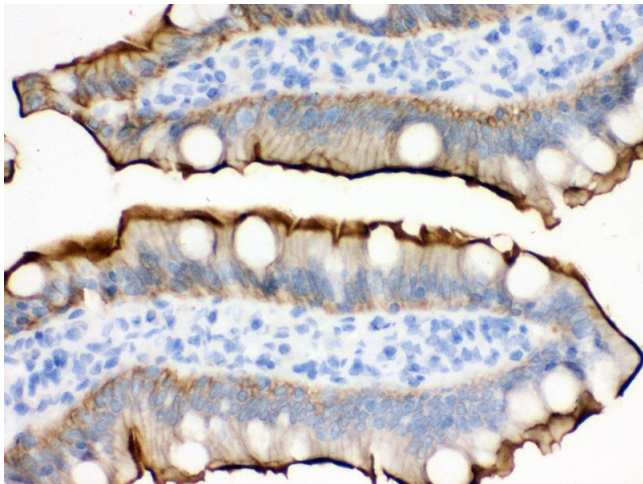
Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na <sub>2</sub> HPO <sub>4</sub> , 0.05 mg Sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.

## Images



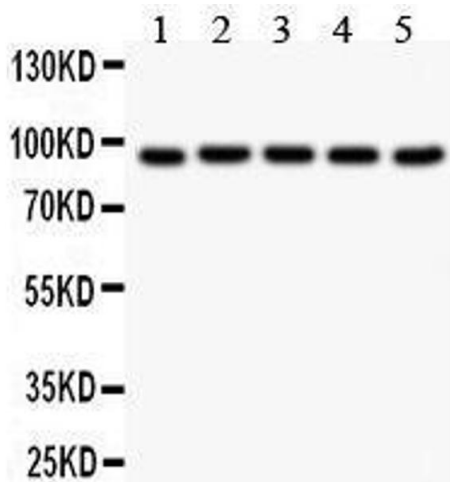
### Immunohistochemistry

**Image 1.** Anti- Villin Picoband antibody,IHC(P) IHC(P):  
Mouse Intestine Tissue



#### Immunohistochemistry

**Image 2.** Anti- Villin Picoband antibody,IHC(P) IHC(P): Rat Intestine Tissue



#### Western Blotting

**Image 3.**

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN3042343.