

Datasheet for ABIN2856719  
**anti-Villin 1 antibody (N-Term)**

5 Images

1 Publication

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## Overview

Quantity:	100 µL
Target:	Villin 1 (VIL1)
Binding Specificity:	N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Villin 1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (IF), Immunocytochemistry (ICC), Immunohistochemistry (Frozen Sections) (IHC (fro))

## Product Details

Immunogen:	Recombinant protein encompassing a sequence within the N-terminus region of human Villin. The exact sequence is proprietary.
Isotype:	IgG
Cross-Reactivity:	Cat, Dog, Human, Mouse, Rat
Characteristics:	Rabbit Polyclonal antibody to Villin (villin 1) Villin antibody
Purification:	Purified by antigen-affinity chromatography.

## Target Details

Target:	Villin 1 (VIL1)
Alternative Name:	villin 1 ( <a href="#">VIL1 Products</a> )
Background:	<p>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.</p> <p>Cellular Localization: Cytoplasm , cytoskeleton</p>
Molecular Weight:	93 kDa
Gene ID:	7429
UniProt:	<a href="#">P09327</a>
Pathways:	<a href="#">EGFR Signaling Pathway</a> , <a href="#">Regulation of Actin Filament Polymerization</a>

## Application Details

Application Notes:	WB: 1:500-1:10000. ICC/IF: 1:100-1:1000. IHC-P: 1:100-1:1000. Optimal dilutions/concentrations should be determined by the researcher. Not tested in other applications.
Comment:	<p>Positive Control: rat kidney , mouse kidney , HepG2</p> <p>Validation: Comparison, Orthogonal</p>
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Concentration:	0.85 mg/mL
Buffer:	1XPBS ( pH 7), 20 % Glycerol, 0.025 % ProClin 300
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage

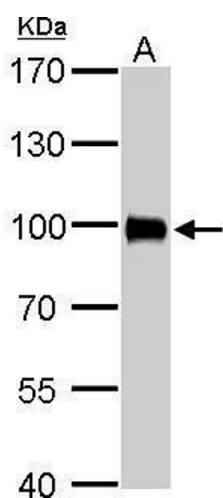
## Handling

(1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.

## Publications

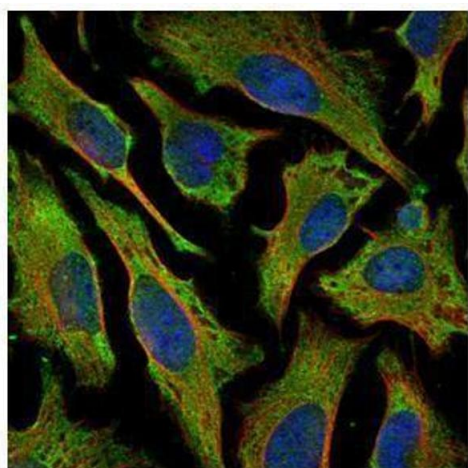
Product cited in: Lin, Kiihl, Suhail, Liu, Chou, Kuang, Lu, Khor, Lin, Bader, Irizarry, Boeke: "Functional dissection of lysine deacetylases reveals that HDAC1 and p300 regulate AMPK." in: **Nature**, Vol. 482, Issue 7384, pp. 251-5, (2012) ([PubMed](#)).

## Images



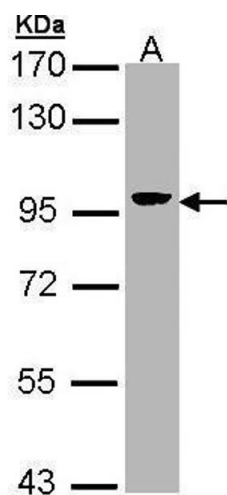
### Western Blotting

**Image 1.** WB Image Villin antibody detects VIL1 protein by Western blot analysis. A. 50 µg rat kidney lysate/extract 7.5 % SDS-PAGE Villin antibody , dilution: 1:2000



### Immunofluorescence

**Image 2.** ICC/IF Image Confocal immunofluorescence analysis (Olympus FV10i) of methanol-fixed HeLa, using Villin, antibody (Green) at 1:500 dilution. Alpha-tubulin filaments were labeled with (Red) at 1:2000.



#### Western Blotting

**Image 3.** WB Image Sample (30 ug of whole cell lysate) A:  
Hep G2 , 7.5% SDS PAGE antibody diluted at 1:5000

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN2856719.