

Datasheet for ABIN453459 anti-Villin 1 antibody (N-Term)





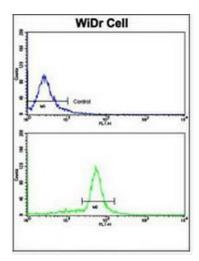
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Quantity:	0.4 mL
Target:	Villin 1 (VIL1)
Binding Specificity:	N-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Villin 1 antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS), Immunohistochemistry (Paraffin-embedded
	Sections) (IHC (p)), Enzyme Immunoassay (EIA)
Product Details	
Immunogen:	KLH conjugated synthetic peptide selected from the N-terminal region of human VILLIN1
Specificity:	This antibody recognizes Villin-1.
Cross-Reactivity (Details):	Species reactivity (expected):Bovine, Pig.
	Species reactivity (tested):Human, Mouse.
Purification:	Saturated Ammonium Sulfate (SAS) precipitation
Target Details	
Target:	Villin 1 (VIL1)
Alternative Name:	Villin-1 (VIL1 Products)

Target Details

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Background:	Villin-1 is 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. Synonyms: VIL1		
Gene ID:	7429		
NCBI Accession:	NP_009058		
UniProt:	P09327		
Pathways:	EGFR Signaling Pathway, Regulation of Actin Filament Polymerization		
Application Details			
Application Notes:	ELISA: 1/1,000. Western blotting: 1/50 - 1/100. Immunohistochemistry on paraffin sections:		
	1/50 - 1/100.		
	Other applications not tested.		
	Optimal dilutions are dependent on conditions and should be determined by the user.		
Restrictions:	For Research Use only		
Handling			
Format:	Liquid		
Concentration:	0.25 mg/mL		
Buffer:	PBS, 0.09 % (W/V) 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:	Store the antibody undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.		



Flow Cytometry

Image 1. Flow Cytometric analysis of WiDr cells using Villin-1 Antibody (N-term) (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goatanti-rabbit secondary antibodies were used for the analysis.



Immunohistochemistry (Paraffin-embedded Sections)

Image 2. Formalin-fixed and paraffin-embedded human colon carcinoma reacted with Villin-1 Antibody (N-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining.

m.kidney 130 72 - 4 55 36 -28

Western Blotting

Image 3. Western blot analysis of Villin-1 Antibody (N-term) in mouse kidney tissue lysates (35ug/lane). VIL1 (arrow) was detected using the purified Pab.