

Datasheet for ABIN453459

anti-Villin 1 antibody (N-Term)**3** Images[Go to Product page](#)

Overview

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

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 goat-anti-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.

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.