OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850
UNITED STATES
Phone: +1-888-267-4436
Fax: +1-301-340-8606
techsupport@origene.com

OriGene Technologies GmbH
Schillerstr. 5
32052 Herford
GERMANY
Phone: +49-5221-34606-0
Fax: +49-5221-34606-11
info-de@origene.com

AP17828PU-N Polyclonal Antibody to Villin-1 (N-term)

Alternate names: VIL1

Quantity: 0.4 ml

Concentration: 0.5 mg/ml (Lot specific)

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.

Uniprot ID: P09327

NCBI: NP_009058

GeneID: 7429

Host: Rabbit

Immunogen: KLH conjugated synthetic peptide between 180-207 amino acids from the N-terminal region of Human Villin-1.

Format:
State: Liquid purified Ig fraction
Purification: Purified through a protein A column, followed by peptide affinity purification.
Buffer System: PBS
Preservatives: 0.09% (W/V) Sodium Azide

Applications:
ELISA: 1/1,000.
Western blotting: 1/1,000.
Flow Cytometry: 1/10-1/50.
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.

Specificity: This antibody recognizes Villin-1.

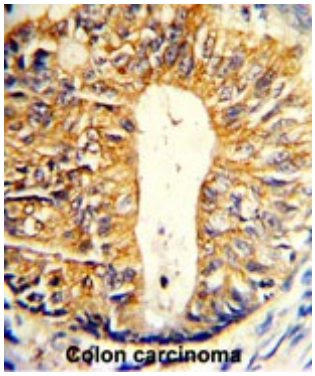
Species Reactivity:
Tested: Human, Mouse.
Expected from sequence similarity: Bovine, Pig.

Storage: Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer.
Avoid repeated freezing and thawing.
Shelf life: one year from despatch.

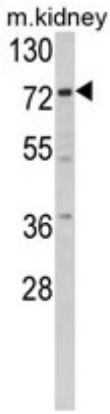
General Readings:
1. Yamamichi,N., et.al., Exp. Cell Res. 315 (10), 1779-1789 (2009)

Pictures:

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 blot analysis of Villin-1 Antibody (N-term) (AP17828PU-N) in mouse kidney tissue lysates (35ug/lane). VIL1 (arrow) was detected using the purified Pab.



Flow Cytometric analysis of WiDr cells using Villin-1 Antibody (N-term) (AP17828PU-N) (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.