Product Name: **Villin Rabbit Polyclonal Antibody**
Catalog #: **APRab19795**
For research use only.

Summary

Description	Rabbit polyclonal Antibody
Host	Rabbit
Application	WB,ELISA
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:500-1:2000,ELISA 1:10000-1:20000
Molecular Weight	90kDa

Antigen Information

Gene Name	VIL1 VIL
Alternative Names	villin 1
Gene ID	7429.0
SwissProt ID	P09327
Immunogen	Synthesized peptide derived from Villin at AA range: 601-650

Background

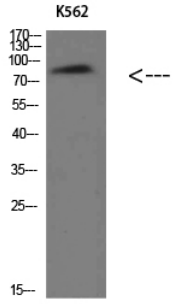
This gene encodes a member of a family of calcium-regulated actin-binding proteins. This protein represents a dominant part of the brush border cytoskeleton which functions in the capping, severing, and bundling of actin filaments. Two mRNAs of 2.7

kb and 3.5 kb have been observed; they result from utilization of alternate poly-adenylation signals present in the terminal exon. [provided by RefSeq, Jul 2008],domain:Consists of a large core fragment, the N-terminal portion, and a small headpiece, the C-terminal portion. The headpiece binds F-actin strongly in both the presence and absence of calcium.,function:Ca(2+)-regulated actin-binding protein.,similarity:Belongs to the villin/gelsolin family.,similarity:Contains 1 HP (headpiece) domain.,similarity:Contains 6 gelsolin-like repeats.,subunit:Monomer.,tissue specificity:Major component of microvilli of intestinal epithelial cells and kidney proximal tubule cells.,

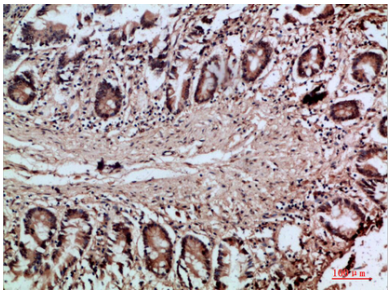
Research Area

Signal Transduction

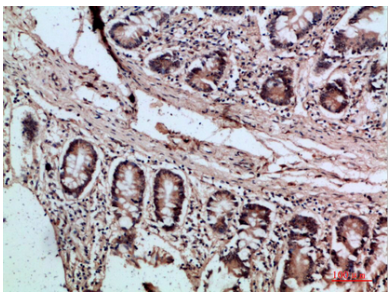
Image Data



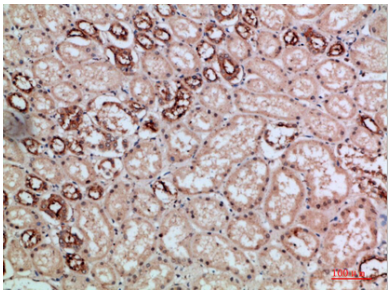
Western Blot analysis of K562 cells using Villin Polyclonal Antibody diluted at 1:500. Secondary antibody was diluted at 1:20000



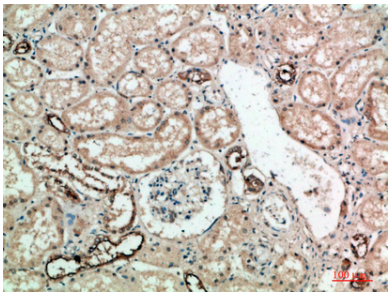
Immunohistochemical analysis of paraffin-embedded human-colon, antibody was diluted at 1:200



Immunohistochemical analysis of paraffin-embedded human-colon, antibody was diluted at 1:200



Immunohistochemical analysis of paraffin-embedded human-kidney, antibody was diluted at 1:200



Immunohistochemical analysis of paraffin-embedded human-kidney, antibody was diluted at 1:200