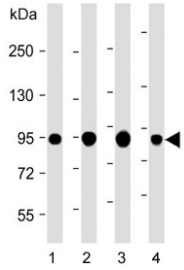
VIL1 Antibody / Villin 1 (F54302)

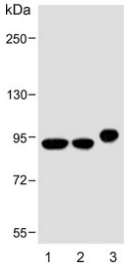
Catalog No.	Formulation	Size
F54302-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F54302-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

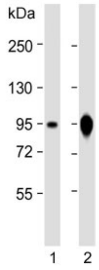
Availability	1-3 business days
Species Reactivity	Human, Mouse
Format	Purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity purified
UniProt	P09327
Localization	Cytoplasmic and cell surface
Applications	Western Blot : 1:500-1:2000 Immunohistochemistry (FFPE) : 1:25 Flow Cytometry : 1:25 (1x10e6 cells)
Limitations	This VIL1 antibody is available for research use only.



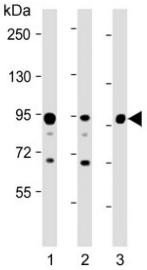
Western blot testing of 1) human HT-29, 2) human HepG2, 3) human COLO205 and 4) mouse colon lysate with VIL1 antibody. Predicted molecular weight ~93 kDa.



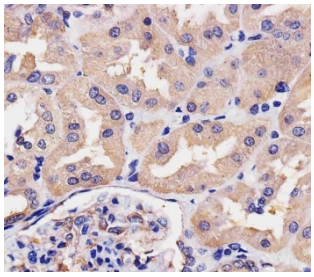
Western blot testing of 1) human HepG2, 2) human HT-29 and 3) mouse kidney lysate with VIL1 antibody. Predicted molecular weight ~93 kDa.



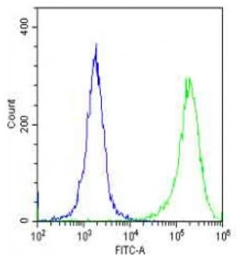
Western blot testing of human 1) Caco-2 and 2) HT-29 cell lysate with VIL1 antibody. Predicted molecular weight ~93 kDa.



Western blot testing of 1) human HT-29, 2) human SW480 and 3) mouse colon lysate with VIL1 antibody. Predicted molecular weight ~93 kDa.



IHC testing of FFPE human kidney tissue with VIL1 antibody. HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to staining.



Flow cytometry testing of fixed and permeabilized human HeLa cells with VIL1 antibody; Blue=isotype control, Green= VIL1 antibody.

Description

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.

Application Notes

The stated application concentrations are suggested starting points. Titration of the VIL1 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 180-207 from the human protein were used as the immunogen for the VIL1 antibody.

Storage

Aliquot the VIL1 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.