

For Research Use Only

# Villin Monoclonal antibody, PBS Only

Catalog Number: 66096-1-PBS



## Basic Information

Catalog Number:

66096-1-PBS

Size:

1mg/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG9637

GenBank Accession Number:

BC017303

GeneID (NCBI):

7429

UNIPROT ID:

P09327

Full Name:

villin 1

Calculated MW:

827aa, 93 kDa; 826aa, 93 kDa

Observed MW:

93-95 kDa

Purification Method:

Protein A purification

CloneNo.:

2B7B9

## Applications

Tested Applications:

WB, IHC, IF/ICC, IP, Indirect ELISA

Species Specificity:

human, mouse

## Background Information

Villin 1 (VIL1) is a 95-kDa F-actin bundling and severing protein and its expression is restricted to epithelial cells with a brush border, like epithelial cells of the intestinal mucosa, gall bladder, renal proximal tubules and ductuli efferentes of the testis. VIL1 has been reported to be an epithelial cell-specific anti-apoptotic protein, and to have an important function in regulating actin dynamics, cell morphology, epithelial-to-mesenchymal transitions, cell migration and cell survival. In addition, VIL1 is a useful diagnostic marker for various cancer, like cervical and endometrial adenocarcinomas, renal cell carcinoma. VIL1 was recently identified as a novel biomarker predictive for postoperative recurrence and poorer prognosis of high serum AFP associated HCC.

## Storage

Storage:

Store at -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS Only

For technical support and original validation data for this product please contact:

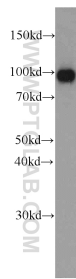
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

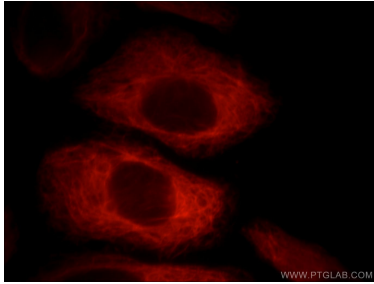
W: [ptgcn.com](http://ptgcn.com)

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

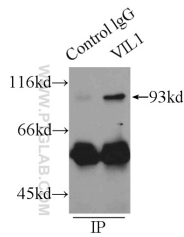
Selected Validation Data



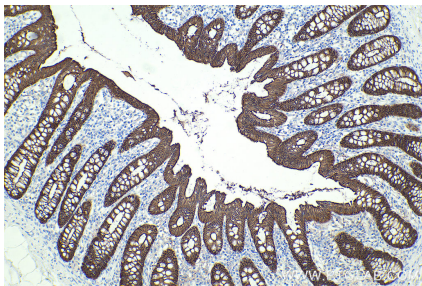
human kidney tissue were subjected to SDS PAGE followed by western blot with 66096-1-Ig (Villin antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66096-1-PBS in a different storage buffer formulation.



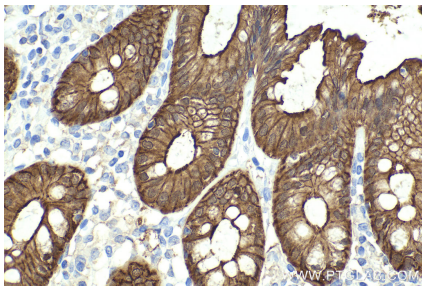
Immunofluorescent analysis of HepG2 cells using 66096-1-Ig (Villin antibody) at dilution of 1:25 and Rhodamine-Goat anti-Mouse IgG. This data was developed using the same antibody clone with 66096-1-PBS in a different storage buffer formulation.



IP result of anti-Villin (IP:66096-1-Ig, 4ug; Detection:66096-1-Ig 1:1000) with mouse kidney tissue lysate 6000ug. This data was developed using the same antibody clone with 66096-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human colon tissue slide using 66096-1-Ig (Villin antibody) at dilution of 1:5000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66096-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human colon tissue slide using 66096-1-Ig (Villin antibody) at dilution of 1:5000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66096-1-PBS in a different storage buffer formulation.