

For Research Use Only

# Villin Monoclonal antibody, PBS Only

Catalog Number: 66096-1-PBS



## Basic Information

|  |   |   |
|--|---|---|
| <b>Catalog Number:</b><br>66096-1-PBS      | <b>GenBank Accession Number:</b><br>BC017303        | <b>Purification Method:</b><br>Protein A purification |
| <b>Size:</b><br>1 mg/ml                    | <b>GeneID (NCBI):</b><br>7429                       | <b>CloneNo.:</b><br>2B7B9                             |
| <b>Source:</b><br>Mouse                    | <b>UNIPROT ID:</b><br>P09327                        |   |
| <b>Isotype:</b><br>IgG1                    | <b>Full Name:</b><br>villin 1                       |   |
| <b>Immunogen Catalog Number:</b><br>AG9637 | <b>Calculated MW:</b><br>827aa,93 kDa; 826aa,93 kDa |   |
|  | <b>Observed MW:</b><br>93-95 kDa                    |   |

## Applications

**Tested Applications:**  
WB,IP,Indirect ELISA,IHC,IF

**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.

**Storage Buffer:**  
PBS Only

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

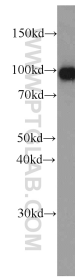
T: 4006900926

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

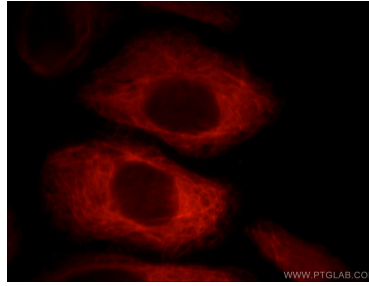
W: [ptgcn.com](http://ptgcn.com)

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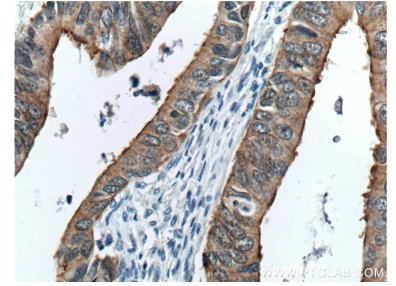
## Selected Validation Data



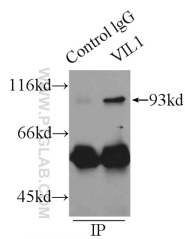
human kidney tissue were subjected to SDS PAGE followed by western blot with 66096-1-Ig (Villin antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66096-1-PBS in a different storage buffer formulation.



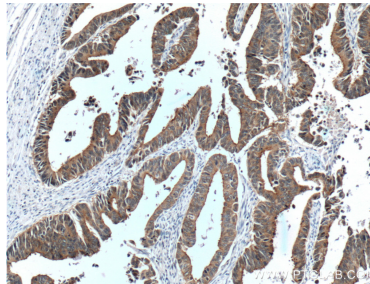
Immunofluorescent analysis of HepG2 cells using 66096-1-Ig (Villin antibody) at dilution of 1:25 and Rhodamine-Goat anti-Mouse IgG. This data was developed using the same antibody clone with 66096-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 66096-1-Ig (Villin antibody at dilution of 1:2000 (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.



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 cancer tissue slide using 66096-1-Ig (Villin antibody at dilution of 1:2000 (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.