

For Research Use Only

Villin Monoclonal antibody

Catalog Number: 66096-1-Ig **9 Publications**



Basic Information

Catalog Number: 66096-1-Ig	GenBank Accession Number: BC017303	Purification Method: Protein A purification
Size: 1000 ug/ml	GeneID (NCBI): 7429	CloneNo.: 2B7B9
Source: Mouse	UNIPROT ID: P09327	Recommended Dilutions: WB 1:500-1:2000
Isotype: IgG1	Full Name: villin 1	IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate
Immunogen Catalog Number: AG9637	Calculated MW: 827aa, 93 kDa; 826aa, 93 kDa	IHC 1:2500-1:10000
	Observed MW: 93-95 kDa	IF/ICC 1:10-1:100

Applications

Tested Applications: WB, IHC, IF/ICC, IP, ELISA	Positive Controls:
Cited Applications: WB, IHC, IF	WB : Human kidney, tissue
Species Specificity: human, mouse	IP : mouse kidney tissue,
Cited Species: human, mouse	IHC : human colon tissue,
	IF/ICC : HepG2 cells,
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

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.

Notable Publications

Author	Pubmed ID	Journal	Application
Zhang-Mei Peng	25337239	Int J Clin Exp Pathol	IHC
Shanshan Huang	35620578	Oxid Med Cell Longev	IHC
Serika Motoike	33712280	J Pharmacol Sci	IF, IHC

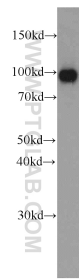
Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

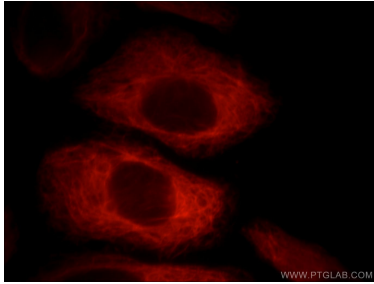
For technical support and original validation data for this product please contact:
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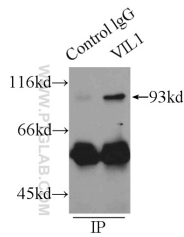
Selected Validation Data



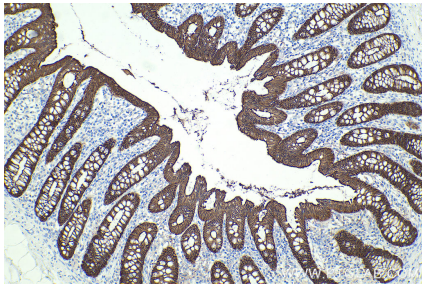
human kidney tissue were subjected to SDS PAGE followed by western blot with 66096-1-Ig (Villin antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



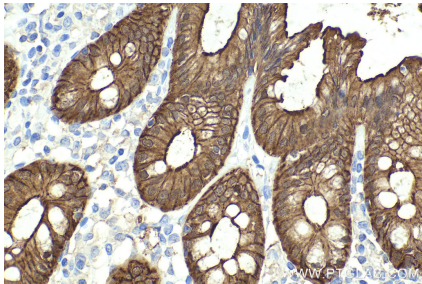
Immunofluorescent analysis of HepG2 cells using 66096-1-Ig (Villin antibody) at dilution of 1:25 and Rhodamine-Goat anti-Mouse IgG.



IP result of anti-Villin (IP:66096-1-Ig, 4ug; Detection:66096-1-Ig 1:1000) with mouse kidney tissue lysate 6000ug.



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).



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).