

For Research Use Only

Villin Monoclonal antibody

Catalog Number: 66096-1-Ig **8 Publications**



Basic Information

Catalog Number: 66096-1-Ig	GenBank Accession Number: BC017303	Purification Method: Protein A purification
Size: 150ul, Concentration: 1000 µg/ml by Nanodrop and 480 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 7429	CloneNo.: 2B7B9
Source: Mouse	Full Name: villin 1	Recommended Dilutions: WB 1:500-1:2000 IP 0.5-4.0 ug for IP and 1:500-1:2000 for WB
Isotype: IgG1	Calculated MW: 827aa, 93 kDa; 826aa, 93 kDa	IHC 1:50-1:500 IF 1:10-1:100
Immunogen Catalog Number: AG9637	Observed MW: 93-95 kDa	

Applications

Tested Applications: IF, IHC, IP, WB, ELISA	Positive Controls: WB : Human kidney, tissue
Cited Applications: IF, IHC, WB	IP : mouse kidney tissue,
Species Specificity: human, mouse	IHC : human colon cancer tissue, human small intestine tissue
Cited Species: human, mouse	IF : 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 of 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

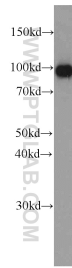
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

***** 20ul sizes contain 0.1%BSA**

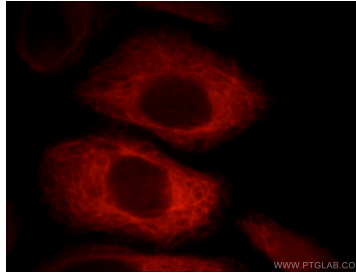
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

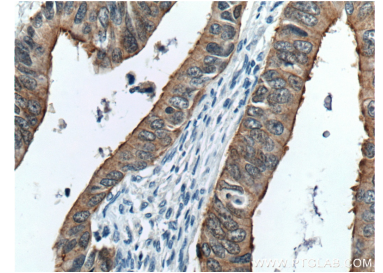
Selected Validation Data



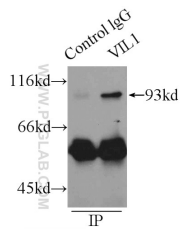
human kidney tissue were subjected to SDS PAGE followed by western blot with 66096-1-Ig (Villin antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



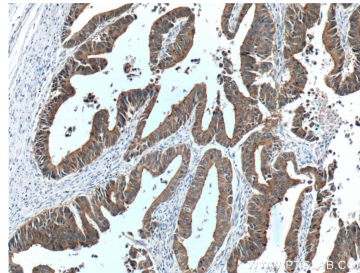
Immunofluorescent analysis of HepG2 cells using 66096-1-Ig (Villin antibody) at dilution of 1:25 and Rhodamine-Goat anti-Mouse IgG.



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).



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 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).