

For Research Use Only

Villin Recombinant monoclonal antibody

Catalog Number: 86978-2-RR



Basic Information

Catalog Number: 86978-2-RR	GenBank Accession Number: BC017303	Purification Method: Protein A purification
Source: Rabbit	GeneID (NCBI): 7429	CloneNo.: 251823A8
Isotype: IgG	UNIPROT ID: P09327	Recommended Dilutions: IHC: 1:500-1:2000 IF/ICC: 1:250-1:1000
Immunogen Catalog Number: AG9610	Full Name: villin 1 Calculated MW: 827aa, 93 kDa; 826aa, 93 kDa	

Applications

Tested Applications: IHC, IF/ICC, ELISA	Positive Controls:
Species Specificity: human	IHC : human colon tissue, IF/ICC : human small intestine tissue,

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-kd 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.

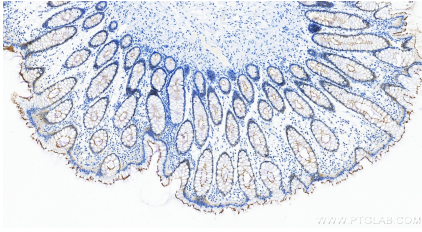
Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

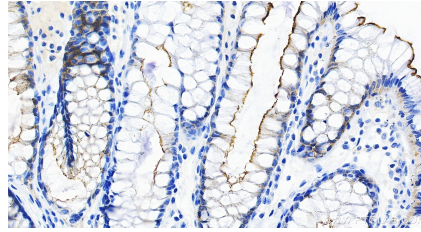
For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

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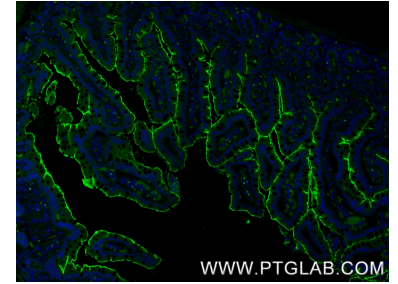
Selected Validation Data



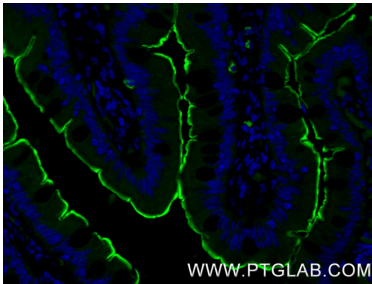
Immunohistochemical analysis of paraffin-embedded human colon tissue slide using 86978-2-RR (VIL1 antibody) at dilution of 1:1000 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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Immunofluorescent analysis of (4% PFA) fixed human small intestine tissue using VIL1 antibody (86978-2-RR, Clone: 251823A8) at dilution of 1:500 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).



Immunofluorescent analysis of (4% PFA) fixed human small intestine tissue using VIL1 antibody (86978-2-RR, Clone: 251823A8) at dilution of 1:500 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).