

# Villin Monoklonaler Antikörper

Katalog-Nr.: 66096-1-Ig **7 Publikationen**

## Allgemeine Informationen

|                                                                                                                                             |                                                        |                                                                                                       |
|---------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|-------------------------------------------------------------------------------------------------------|
| <b>Katalog-Nr.:</b><br>66096-1-Ig                                                                                                           | <b>GenBank-Zugangsnummer:</b><br>BC017303              | <b>Reinigungsmethode:</b><br>Protein-A-Reinigung                                                      |
| <b>Größe:</b><br>150ul, Konzentration: 1000 µg/ml von 7429<br>Nanodrop und 893 µg/ml durch die<br>Bradford-Methode mit BSA als<br>Standard; | <b>GeneID (NCBI):</b><br>villin 1                      | <b>CloneNo.:</b><br>2B7B9                                                                             |
| <b>Wirt:</b><br>Maus                                                                                                                        | <b>Vollständiger Name:</b><br>villin 1                 | <b>Empfohlene Verdünnungen:</b><br>WB 1:500-1:2000<br>IP 0.5-4.0 µg für IP und 1:500-1:2000<br>für WB |
| <b>Isotyp:</b><br>IgG1                                                                                                                      | <b>Berechnete Masse:</b><br>827aa,93 kDa; 826aa,93 kDa | <b>IHC 1:50-1:500</b>                                                                                 |
| <b>Immunogen Katalognummer:</b><br>AG9637                                                                                                   | <b>Beobachtete Masse:</b><br>93-95 kDa                 | <b>IF 1:10-1:100</b>                                                                                  |

## Anwendungen

|                                                                                                                                                                        |                                                                    |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------|
| <b>Geprüfte Anwendungen:</b><br>IF, IHC, IP, WB, ELISA                                                                                                                 | <b>Positivkontrollen:</b>                                          |
| <b>In Publikationen genannte Anwendungen:</b><br>IF, IHC, WB                                                                                                           | <b>WB:</b> Human kidney, Gewebe                                    |
| <b>Getestete Reaktivität:</b><br>Human, Maus                                                                                                                           | <b>IP:</b> Mauseingewebe,                                          |
| <b>Zitierte Arten:</b><br>Human, Maus                                                                                                                                  | <b>IHC:</b> humanes Kolonkarzinomgewebe, humanes<br>Dünndarmgewebe |
| <b>Hinweis-IHC: Antigendemaskierung mit TE-<br/>Puffer pH 9,0 empfohlen. (*) Wahlweise<br/>kann die Antigendemaskierung auch mit<br/>Citratpuffer pH 6,0 erfolgen.</b> | <b>IF:</b> HepG2-Zellen,                                           |

## Hintergrundinformationen

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.

## Bemerkenswerte Veröffentlichungen

| Verfasser      | Pubmed ID | Journal               | Anwendung |
|----------------|-----------|-----------------------|-----------|
| 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   |

## Lagerung

**Lagerungsbedingungen:**  
Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil  
**Lagerungspuffer:**  
PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.  
Aliquotieren ist nicht notwendig bei -20°C Lagerung

**\*\*\* 20ul-Größen enthalten 0.1% BSA**

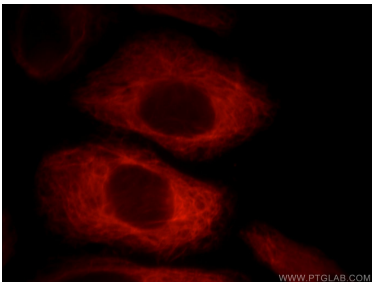
For technical support and original validation data for this product please contact:  
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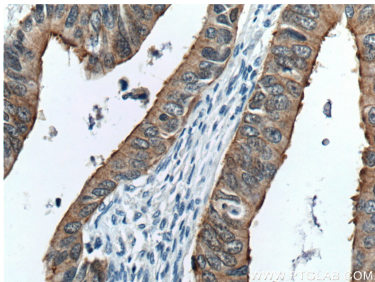
Ausgewählte Validierungsdaten



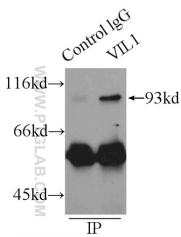
human kidney tissue were subjected to SDS PAGE followed by western blot with 66096-1-Ig (Villin antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



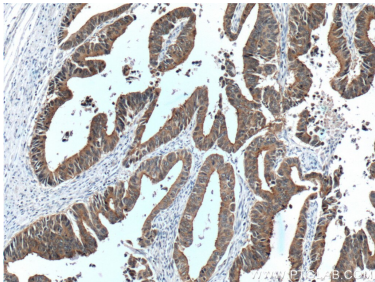
Immunofluorescent analysis of HepG2 cells using 66096-1-Ig (Villin antibody) at dilution of 1:25 and Rhodamine-Goat anti-Mouse IgG.



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).