

Allgemeine Informationen

Katalog-Nr.:

16488-1-AP

Größe:

150ul , Konzentration: 700 µg/ml von
 Nanodrop und 333 µg/ml durch die
 Bradford-Methode mit BSA als
 Standard;

Wirt:

Kaninchen

Isotyp:

IgG

Immunogen Katalognummer:

AG9610

GenBank-Zugangsnummer:

BC017303

GeneID (NCBI):

7429

Vollständiger Name:

villin 1

Berechnete Masse:

827aa,93 kDa; 826aa,93 kDa

Beobachtete Masse:

93 kDa

Reinigungsmethode:

Antigen-Affinitätsreinigung

Empfohlene Verdünnungen:

WB 1:1000-1:4000

IP 0.5-4.0 ug für IP und 1:200-1:1000

für WB

IHC 1:50-1:8000

IF 1:20-1:200

Anwendungen

Geprüfte Anwendungen:

FC, IF, IHC, IP, WB, ELISA

In Publikationen genannte Anwendungen:

IF, IHC, WB

Getestete Reaktivität:

Human, Maus, Ratte

Zitierte Arten:

Hausschwein, Human, Maus

**Hinweis-IHC: Antigendemaskierung mit TE-
 Puffer pH 9,0 empfohlen. (*) Wahlweise
 kann die Antigendemaskierung auch mit
 Citratpuffer pH 6,0 erfolgen.**

Positivkontrollen:

WB : Mausnierengewebe, Maus-Kolongewebe,
 Mausebergewebe

IP : Mausnierengewebe,

IHC : humanes Dünndarmgewebe, humanes
 Kolonkarzinomgewebe, Maus-Dünndarmgewebe

IF : COLO 320-Zellen,

Hintergrundinformationen

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 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
Qianjin Zhang	36436756	Cell Mol Gastroenterol Hepatol	IF
Zhixin Liu	33783986	Clin Transl Med	IF
Qi-Yue Yang	35696443	PLoS Pathog	IF

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

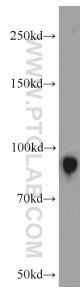
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free
 in USA), or 1(312) 455-8498 (outside USA)

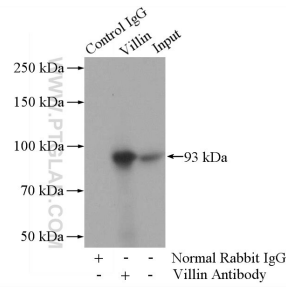
E: proteintech@ptglab.com
 W: ptglab.com

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

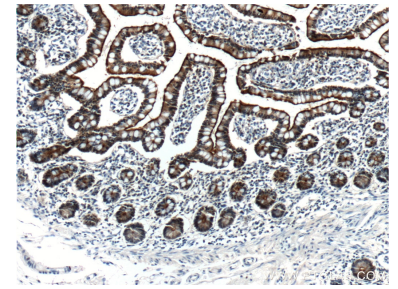
Ausgewählte Validierungsdaten



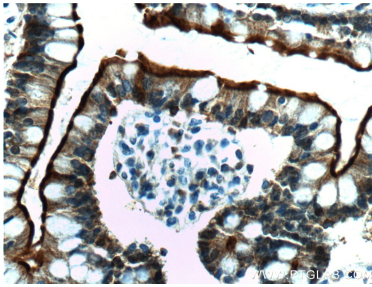
mouse kidney tissue were subjected to SDS PAGE followed by western blot with 16488-1-AP (Villin antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



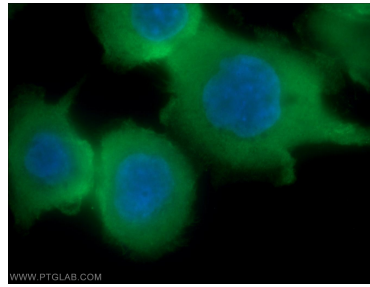
IP Result of anti-Villin (IP:16488-1-AP, 4ug; Detection:16488-1-AP 1:300) with mouse kidney tissue lysate 4000ug.



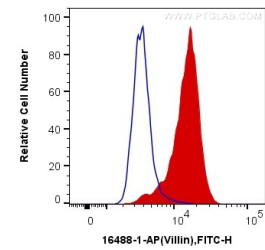
Immunohistochemical analysis of paraffin-embedded human small intestine tissue slide using 16488-1-AP (Villin antibody at dilution of 1:2000 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human small intestine tissue slide using 16488-1-AP (Villin antibody at dilution of 1:2000 (under 40x lens).



Immunofluorescent analysis of COLO 320 cells using 16488-1-AP (Villin antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



1×10^6 HepG2 cells were intracellularly stained with 0.2 ug Anti-Human Villin (16488-1-AP) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.2 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).