

# Fibronectin Monoclonal Antibody (FBN11)

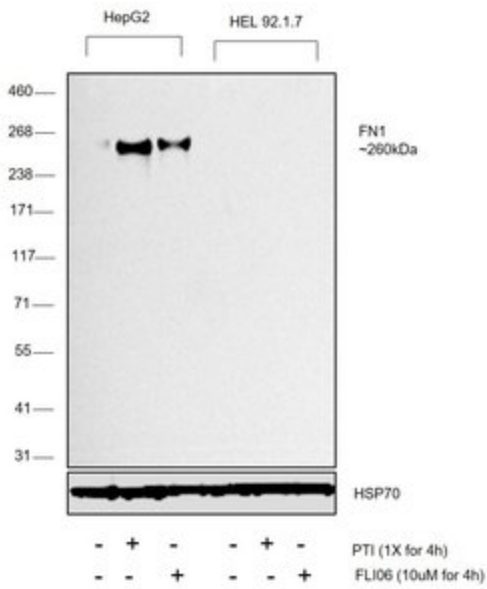
| Product Details    |  |
|--------------------|--|
| Size               | 500 µL                                   |
| Species            | Human, Mouse, Rat                        |
| Published Species  | Rat, Bovine, Mouse, Human, Rhesus monkey |
| Expression System  | Mouse / IgG1                             |
| Class              | Monoclonal                               |
| Type               | Antibody                                 |
| Clone              | FBN11                                    |
| Conjugate          | Unconjugated                             |
| Immunogen          | Recombinant fibronectin protein          |
| Form               | Liquid                                   |
| Concentration      | 0.2 mg/mL                                |
| Purification       | Protein G                                |
| Storage buffer     | PBS, pH 7.4, with 0.2% BSA               |
| Contains           | 0.09% sodium azide                       |
| Storage Conditions | 4° C                                     |
| RRID               | AB_10982280                              |

| Applications                              | Tested Dilution | Publications    |
|---|-----------------|-----------------|
| Immunofluorescence (IF)                   | Assay Dependent | -               |
| Immunohistochemistry (Paraffin) (IHC (P)) | Assay Dependent | -               |
| Western Blot (WB)                         | 1:500-1:5000    | 4 Publications  |
| Immunocytochemistry (ICC)                 | -               | 4 Publications  |
| Immunohistochemistry (Frozen) (IHC (F))   | -               | 1 Publication   |
| Immunohistochemistry (IHC)                | -               | 14 Publications |

## Product Specific Information

MA5-11981 targets Fibronectin in IF, WB and IHC (P) applications and shows reactivity with Human, mouse, and Rat samples. The MA5-11981 immunogen is recombinant fibronectin protein.

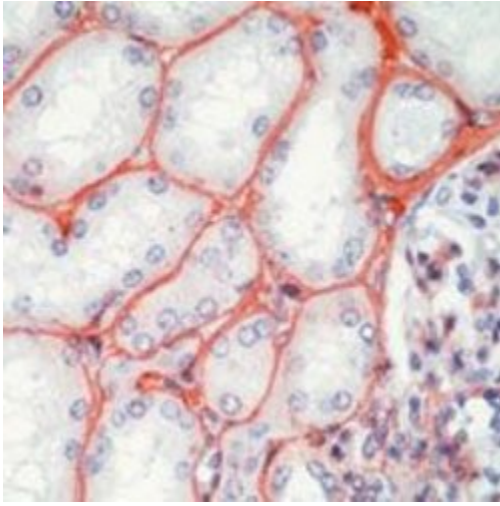
## Advanced Verification Data



### Fibronectin Antibody (MA5-11981)

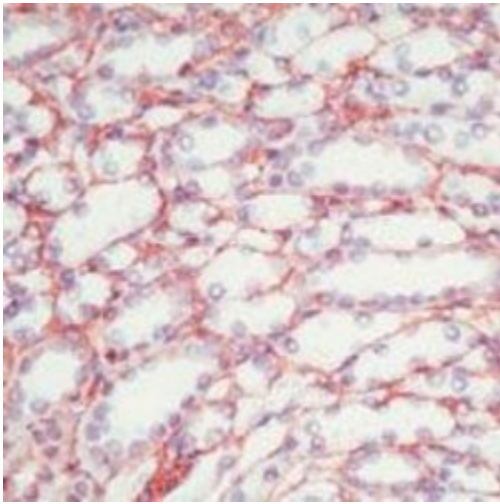
Antibody specificity was demonstrated by detection of differential basal expression of the target across cell lines owing to their inherent genetic constitution. Relative expression of Fibronectin was observed in HepG2 upon protein transport inhibitors 1X PTI for 4h and 10uM FLI-06 for 4h versus in HEL 9.2.17 using the same treatments, using Anti-Fibronectin Monoclonal Antibody (FBN11) (Product # MA5-11981) in Western Blot. Relative expression validation info.

## Product Images For Fibronectin Monoclonal Antibody (FBN11)



### **Fibronectin Antibody (MA5-11981) in IHC**

Formalin-fixed, paraffin-embedded human kidney stained with Fibronectin antibody1 using peroxidase-conjugate and AEC chromogen. Note staining of tubular basement membranes, mesangial cells and matrix.



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Formalin-fixed, paraffin-embedded human kidney stained with Fibronectin antibody1 using peroxidase-conjugate and AEC chromogen. Note staining of tubular basement membranes, mesangial cells and matrix.

[View more figures on thermofisher.com](https://www.thermofisher.com)

## Immunohistochemistry (14)

### Nature communications

#### Macrophage-associated wound healing contributes to African green monkey SIV pathogenesis control.

"Published figure using Fibronectin monoclonal antibody (Product # MA5-11981) in Immunohistochemistry"

Authors: Barrenas F, Raehtz K, Xu C, Law L, Green RR, Silvestri G, Bosinger SE, Nishida A, Li Q, Lu W, Zhang J, Thomas MJ, Chang J, Smith E, Weiss JM, Dawoud RA, Richter GH, Trichel A, Ma D, Peng X, Komorowski J, Apetrei C, Pandrea I, Gale M

**Species**  
Not Applicable

**Dilution**  
Not Cited

**Year**  
2019

### JOR spine

#### Degenerate intervertebral disc-like pH induces a catabolic mechanoresponse in human nucleus pulposus cells.

"Published figure using Fibronectin monoclonal antibody (Product # MA5-11981) in Immunohistochemistry"

Authors: Hodson NW, Patel S, Richardson SM, Hoyland JA, Gilbert HTJ

**Species**  
Not Applicable

**Dilution**  
Not Cited

**Year**  
2018

[View more IHC references on thermofisher.com](#)

## Western Blot (4)

### PloS one

#### Piceatannol Attenuates Renal Fibrosis Induced by Unilateral Ureteral Obstruction via Downregulation of Histone Deacetylase 4/5 or p38-MAPK Signaling.

"MA511981 was used in western blot to examine the effect of piceatannol on renal fibrosis and histone deacetylase expression in a mouse model of unilateral ureteral obstruction"

Authors: Choi SY, Piao ZH, Jin L, Kim JH, Kim GR, Ryu Y, Lin MQ, Kim HS, Kee HJ, Jeong MH

**Species**  
Mouse

**Dilution**  
1:1000

**Year**  
2017

### Stem cell research and therapy

#### TGF-1-induced differentiation of SHED into functional smooth muscle cells.

"MA511981 was used in western blot to ask if stem cells from human exfoliated deciduous teeth could be induced to differentiate into functional vascular smooth muscle cells"

Authors: Xu JG, Zhu SY, Heng BC, Dissanayaka WL, Zhang CF

**Species**  
Human

**Dilution**  
Not Cited

**Year**  
2017

[View more WB references on thermofisher.com](#)

## More applications with references on thermofisher.com

ICC (4) IHC (F) (1)

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