# Fibronectin Rabbit mAb

Catalog No.: A12977 Recombinant 23 Publications



## **Basic Information**

### **Observed MW**

300kDa

#### **Calculated MW**

272kDa

### Category

Primary antibody

### **Applications**

WB,IF/ICC,ELISA

### **Cross-Reactivity**

Human, Mouse

#### CloneNo number

ARC2692

## **Background**

This gene encodes fibronectin, a glycoprotein present in a soluble dimeric form in plasma, and in a dimeric or multimeric form at the cell surface and in extracellular matrix. The encoded preproprotein is proteolytically processed to generate the mature protein. Fibronectin is involved in cell adhesion and migration processes including embryogenesis, wound healing, blood coagulation, host defense, and metastasis. The gene has three regions subject to alternative splicing, with the potential to produce 20 different transcript variants, at least one of which encodes an isoform that undergoes proteolytic processing. The full-length nature of some variants has not been determined.

## **Recommended Dilutions**

**WB** 1:2000 - 1:6000

**IF/ICC** 1:50 - 1:200

**ELISA** Recommended starting concentration is 1  $\mu$ g/mL.

Please optimize the concentration based on your specific assay requirements.

## **Immunogen Information**

**Gene ID**2335

Swiss Prot
P02751

### **Immunogen**

Recombinant protein (or fragment). This information is considered to be commercially sensitive.

## **Synonyms**

FN; CIG; FNZ; MSF; ED-B; FINC; GFND; LETS; GFND2; SMDCF; Fibronectin

## **Contact**

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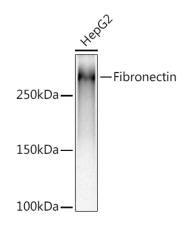
## **Product Information**

SourceIsotypePurificationRabbitIgGAffinity purification

### Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.



Western blot analysis of lysates from Hep G2 cells, using Fibronectin Rabbit mAb (A12977) at 1:5000 dilution

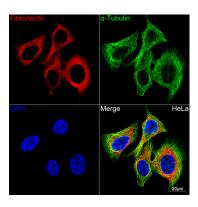
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

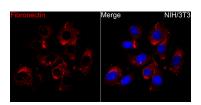
Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 10s.



Confocal imaging of HeLa cells using Fibronectin Rabbit mAb (A12977,dilution 1:50)(Red). The cells were counterstained with  $\alpha$ -Tubulin Mouse mAb (AC012,dilution 1:400) (Green). DAPI was used for nuclear staining (blue). Objective: 100x.



Immunofluorescence analysis of NIH/3T3 cells using Fibronectin Rabbit mAb (A12977) at a dilution of 1:50 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L)(AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.