

# Fibronectin Rabbit mAb

Catalog No.: A23830 **Recombinant** **3 Publications**

## Basic Information

### Observed MW

272kDa

### Calculated MW

71-73kDa/221-272kDa

### Category

Primary antibody

### Applications

WB,IF/ICC,IF-P,IHC-P,ELISA

### Cross-Reactivity

Human

### CloneNo number

ARC61164

## 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

<b>WB</b>	1:1000 - 1:4000
<b>IF/ICC</b>	1:200 - 1:800
<b>IF-P</b>	1:200 - 1:800
<b>IHC-P</b>	1:1000 - 1:4000
<b>ELISA</b>	Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

## Contact

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## Immunogen Information

### Gene ID

2335

### Swiss Prot

P02751

### Immunogen

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

### Synonyms

FN1; CIG; ED-B; FINC; FN; FNZ; GFND; GFND2; LETS; MSF; fibronectin; Fibronectin

## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

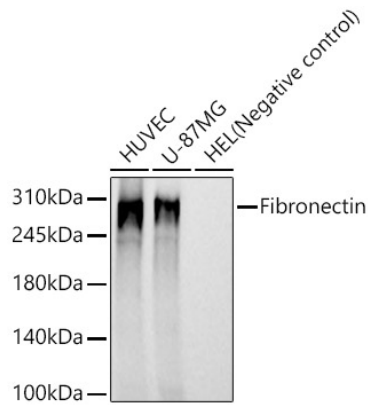
Affinity purification

### Storage

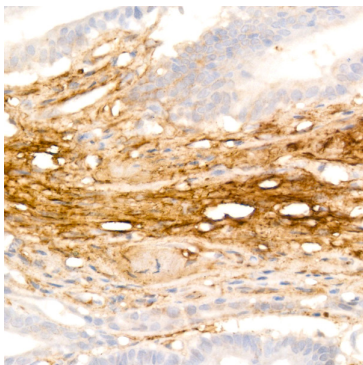
Store at -20°C. Avoid freeze / thaw cycles.

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.

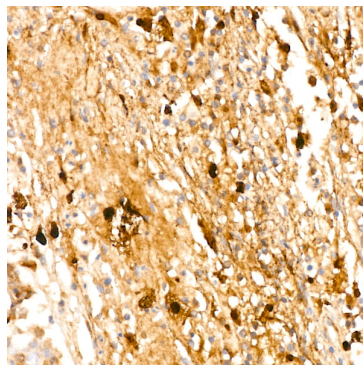
## Validation Data



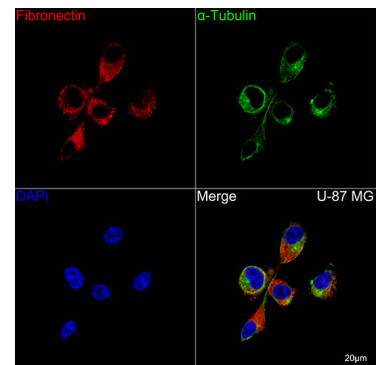
Western blot analysis of various lysates, using Fibronectin Rabbit mAb (A23830) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 20s.



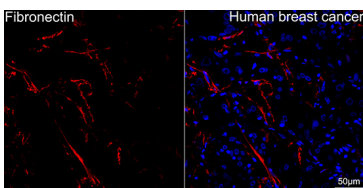
Immunohistochemistry analysis of paraffin-embedded Human colon carcinoma using Fibronectin Rabbit mAb (A23830) at dilution of 1:1000 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human lung cancer using Fibronectin Rabbit mAb (A23830) at dilution of 1:1000 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.



Confocal imaging of U-87 MG cells using Fibronectin Rabbit mAb (A23830, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). The cells were counterstained with  $\alpha$ -Tubulin Mouse mAb (AC012, dilution 1:400) followed by incubation with ABflo® 488-conjugated Goat Anti-Mouse IgG (H+L) Ab (AS076, dilution 1:500) (Green). DAPI was used for nuclear staining (Blue). Objective: 100x.



Confocal imaging of paraffin-embedded Human breast cancer tissue using Fibronectin Rabbit mAb (A23830, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining.

## Validation Data

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Objective: 40x.