

A12932SP

Leader in Biomolecular Solutions for Life Science



Fibronectin Rabbit pAb

Catalog No.: A12932SP

50 Publications

Basic Information

Observed MW

300 kDa

Calculated MW

72-272 kDa

Category

Polyclonal Antibody

Applications

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

Cross-Reactivity

Human,Mouse,Rat

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 1:4000-1:20000

IP 0.5 µg-4 µg antibody for
200 µg - 400 µg extracts of
whole cells

IHC-P 1:500 - 1:2000

ELISA Recommended starting
concentration is 1 µg/mL.
Please optimize the
concentration based on
your specific assay
requirements. For high-
ratio antibody dilutions
(≥1:10000), a sequential
dilution method is strongly
recommended to ensure
measurement accuracy.

Immunogen Information

Gene ID

2335

Swiss Prot

P02751

Immunogen

This information is considered to be commercially sensitive.

Synonyms

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

Product Information

Source

Rabbit

Isotype

IgG

Purification

Affinity purification

Storage

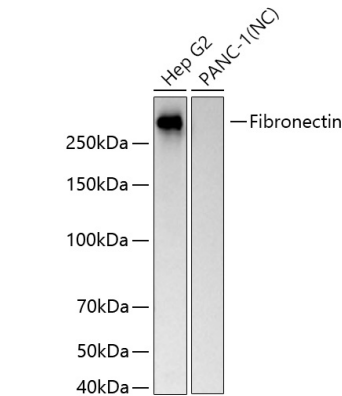
Store at -20°C

Contact

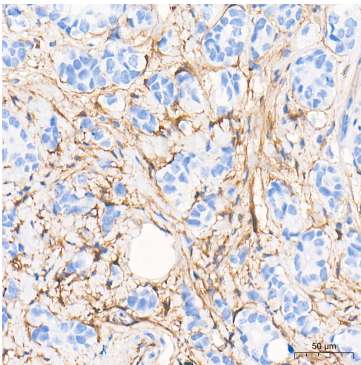


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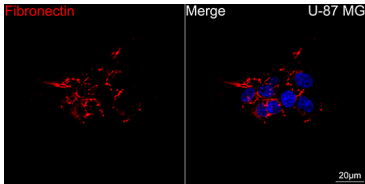
Validation Data



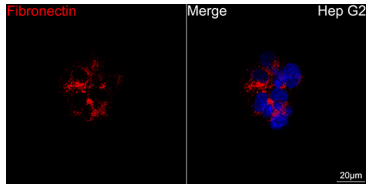
Western blot analysis of various lysates using Fibronectin Rabbit pAb (A12932SP) at 1:10000 dilution incubated overnight at 4°C. |Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. |Lysates/proteins: 25 µg per lane. |Blocking buffer: 3% nonfat dry milk in TBST. |Detection: ECL Basic Kit (RM00020). |Negative control (NC): PANC-1. |Exposure time: 30 s



Confocal imaging of U-87 MG cells using Fibronectin Rabbit pAb (A12932SP, dilution 1:2000) followed by a further incubation with Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 100x



Confocal imaging of Hep G2 cells using Fibronectin Rabbit pAb (A12932SP, dilution 1:2000) followed by a further incubation with Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 100x



Immunohistochemistry analysis of paraffin-embedded Human breast cancer tissue using Fibronectin Rabbit pAb (A12932SP) at a dilution of 1:1000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.