Fibronectin Rabbit mAb

Catalog No.: A28529

Recombinant

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Basic Information

Observed MW
300 kDa

Calculated MW
72 kDa/74 kDa/221-272 kDa

Category
Monoclonal Antibodies

Applications
WB, IP, IF/ICC, IHC-P, FC (intra), ELISA

Cross Reactivity
Human

Clone No.
ARC78866

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	1:4000-1:30000
IP	0.5 μg-4 μg antibody for 200 μg-400 μg extracts of whole cells
IF/ICC	
IHC-P	1:500 - 1:2000
FC (intra)	1:1000 - 1:5000
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
Recombinant protein (or fragment).This information is considered to be commercially sensitive.

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

Contact

400-999-6126

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Product Information

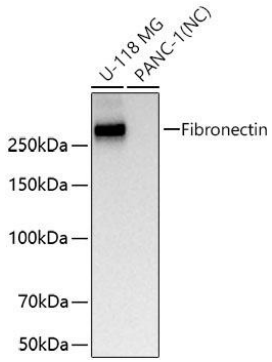
Source
Rabbit

Isotype
IgG

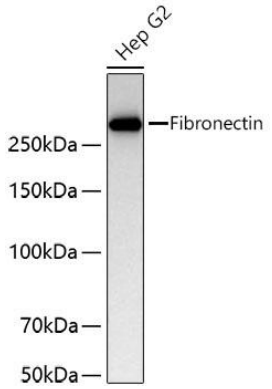
Purity
Affinity purification

Storage
Store at -20℃
Buffer: PBS with 0.09% Sodium azide,0.05% BSA,50% glycerol,pH7.3.

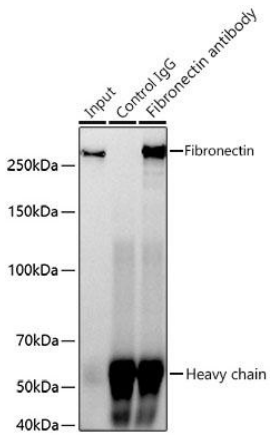
Validation Data



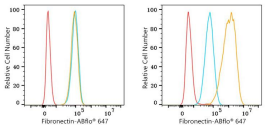
Western blot analysis of various lysates using Fibronectin Rabbit mAb (A28529) at 1: 10000 dilution incubated overnight at 4℃.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1: 10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Negative control (NC): PANC-1.
Exposure time: 1 s.



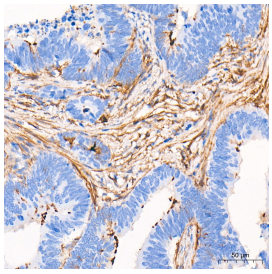
Western blot analysis of lysates from Hep G2 cells using Fibronectin Rabbit mAb (A28529) at 1:10000 dilution incubated overnight at 4℃.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1: 10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 30 s.



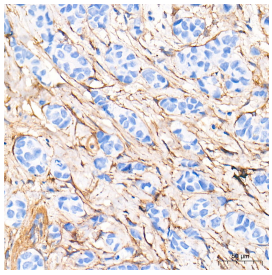
Immunoprecipitation of Fibronectin from 300 µg extracts of Hep G2 cells was performed using 2 µg of Fibronectin Rabbit mAb (A28529). Rabbit Control IgG (AC005) was used to precipitate the Control IgG sample. IP samples were eluted with 1x Laemmli Buffer. The Input lane represents 10% of the total input. Western blot analysis of immunoprecipitates was conducted using Fibronectin Rabbit mAb (A28529) at a dilution of 1:5000.



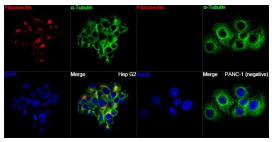
Flow cytometry: 1X10^6 PANC-1 cells (negative control,left) and U-118 MG cells (right) were intracellularly-stained with Fibronectin Rabbit mAb (A28529,0.2 µg/mL, orange line) or Rabbit IgG isotype control (AC042,2 µg/mL,blue line), followed by Alexa Fluor® 647 conjugated goat anti-rabbit pAb staining. Non-fluorescently stained cells were used as blank control (red line).



Immunohistochemistry analysis of paraffin-embedded Human colon carcinoma tissue using Fibronectin Rabbit mAb (A28529) 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.



Immunohistochemistry analysis of paraffin-embedded Human breast cancer tissue using Fibronectin Rabbit mAb (A28529) 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.



Confocal imaging of Hep G2 cells and PANC-1 cells (negative) using Fibronectin Rabbit mAb (A28529, dilution 1:2000) followed by a further incubation with Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). The cells were counterstained with α-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.