

Fibronectin Monoclonal Antibody(M9)

Catalog # AP63376

Specification

Fibronectin Monoclonal Antibody(M9) - Product Information

Application Primary Accession Reactivity

Host Clonality WB, IHC-P, IF P02751

Human, Mouse, Rat

Mouse **Monoclonal**

Fibronectin Monoclonal Antibody(M9) - Additional Information

Gene ID 2335

Other Names

FN1; FN; Fibronectin; FN; Cold-insoluble globulin; CIG

Dilution

WB~~WB: 1:1000-2000 IF 1:200 IHC 1:50-300

IHC-P~~N/A

IF~~WB: 1:1000-2000 IF 1:200 IHC 1:50-300

PBS, pH 7.4, containing 0.09% (W/V) sodium azide as Preservative and 50% Glycerol.

Storage Conditions

-20°C

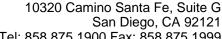
Fibronectin Monoclonal Antibody(M9) - Protein Information

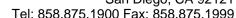
Name FN1 (HGNC:3778)

Synonyms FN

Function

Fibronectins bind cell surfaces and various compounds including collagen, fibrin, heparin, DNA, and actin (PubMed:3024962, PubMed:3593230, PubMed:3900070, PubMed:7989369). Fibronectins are involved in cell adhesion, cell motility, opsonization, wound healing, and maintenance of cell shape (PubMed: 3024962, PubMed:3593230, PubMed:3900070, PubMed:7989369). Involved in osteoblast compaction through the fibronectin fibrillogenesis cell-mediated matrix assembly







process, essential for osteoblast mineralization (By similarity). Participates in the regulation of type I collagen deposition by osteoblasts (By similarity). Acts as a ligand for the LILRB4 receptor, inhibiting FCGR1A/CD64-mediated monocyte activation (PubMed: 34089617).

Cellular Location

Secreted, extracellular space, extracellular matrix. Secreted {ECO:0000250|UniProtKB:P11276}

Tissue Location

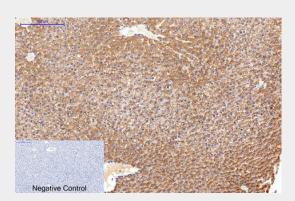
Expressed in the inner limiting membrane and around blood vessels in the retina (at protein level) (PubMed:29777959) Plasma FN (soluble dimeric form) is secreted by hepatocytes. Cellular FN (dimeric or cross-linked multimeric forms), made by fibroblasts, epithelial and other cell types, is deposited as fibrils in the extracellular matrix. Ugl-Y1, Ugl-Y2 and Ugl-Y3 are found in urine (PubMed:17614963).

Fibronectin Monoclonal Antibody(M9) - Protocols

Provided below are standard protocols that you may find useful for product applications.

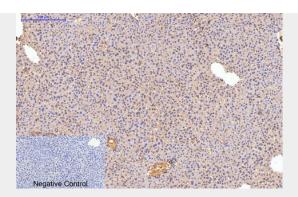
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Fibronectin Monoclonal Antibody(M9) - Images

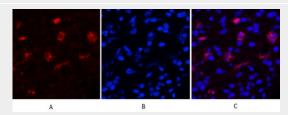


Immunohistochemical analysis of paraffin-embedded Rat-liver tissue. 1,Fibronectin Monoclonal Antibody(M9) was diluted at 1:200(4°C, overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval(>98°C,20min). 3,Secondary antibody was diluted at 1:200(room tempeRature, 30min). Negative control was used by secondary antibody only.

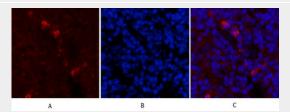




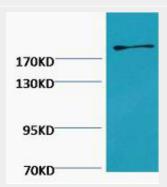
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Immunofluorescence analysis of Human-appendix tissue. 1,Fibronectin Monoclonal Antibody(M9)(red) was diluted at 1:200(4°C,overnight). 2, Cy3 labled Secondary antibody was diluted at 1:300(room temperature, 50min).3, Picture B: DAPI(blue) 10min. Picture A:Target. Picture B: DAPI. Picture C: merge of A+B

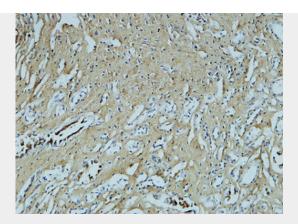


Immunofluorescence analysis of Mouse-spleen tissue. 1,Fibronectin Monoclonal Antibody(M9)(red) was diluted at 1:200(4°C,overnight). 2, Cy3 labled Secondary antibody was diluted at 1:300(room temperature, 50min).3, Picture B: DAPI(blue) 10min. Picture A:Target. Picture B: DAPI. Picture C: merge of A+B

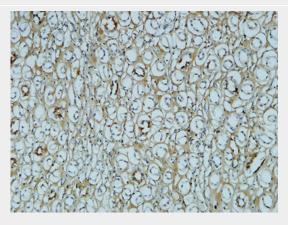


Western blot analysis of Hela, diluted at 1:2000.

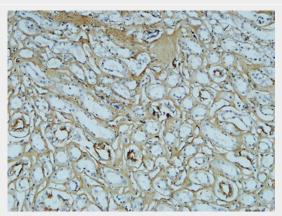




Immunohistochemical analysis of paraffin-embedded Human kidney. 1, Antibody was diluted at 1:100(4°,overnight). 2, High-pressure and temperature EDTA, pH8.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 30min).

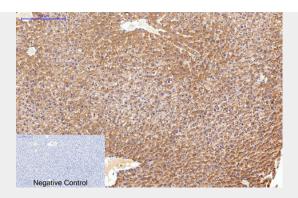


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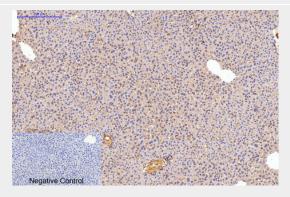


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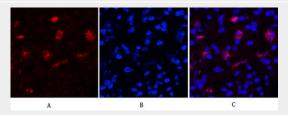




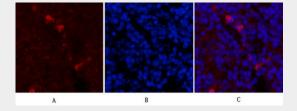
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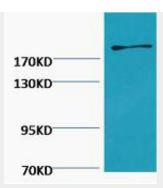


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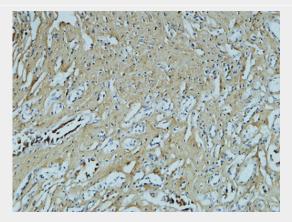


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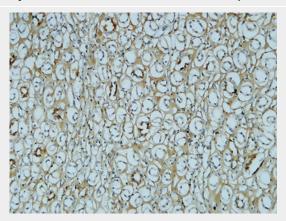




Western blot analysis of Hela, diluted at 1:2000.

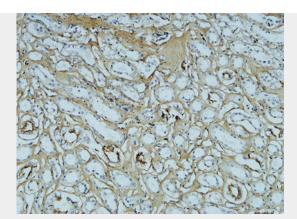


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