

**Fibronectin Monoclonal Antibody(M9)**  
Catalog # AP63376**Specification****Fibronectin Monoclonal Antibody(M9) - Product Information**

Application	WB
Primary Accession	<a href="#">P02751</a>
Reactivity	Human, Mouse, Rat
Host	Mouse
Clonality	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

**Format**

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](http://www.uniprot.org/citations/3024962), PubMed: [3593230](http://www.uniprot.org/citations/3593230), PubMed: [3900070](http://www.uniprot.org/citations/3900070), PubMed: [7989369](http://www.uniprot.org/citations/7989369)). Fibronectins are involved in cell adhesion, cell motility, opsonization, wound healing, and maintenance of cell shape (PubMed: [3024962](http://www.uniprot.org/citations/3024962), PubMed: [3593230](http://www.uniprot.org/citations/3593230), PubMed: [3900070](http://www.uniprot.org/citations/3900070), PubMed: [7989369](http://www.uniprot.org/citations/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:<a href="http://www.uniprot.org/citations/34089617" target="\_blank">34089617</a>).

#### Cellular Location

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

#### Tissue Location

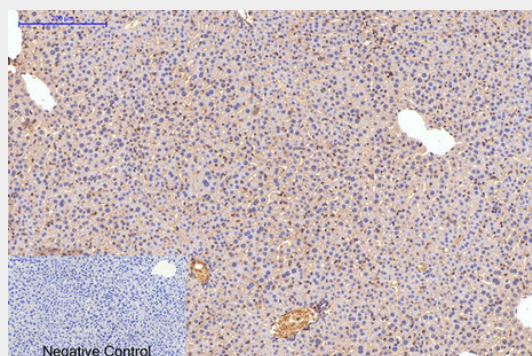
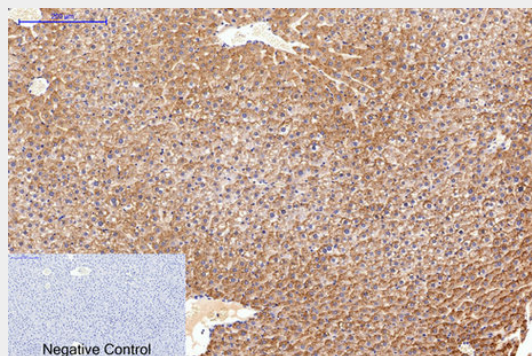
Expressed in the inner limiting membrane and around blood vessels in the retina (at protein level) (PubMed:29777959) Plasma FN (soluble dimeric form) is secreted by hepatocytes. Cellular FN (dimeric or cross-linked multimeric forms), made by fibroblasts, epithelial and other cell types, is deposited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

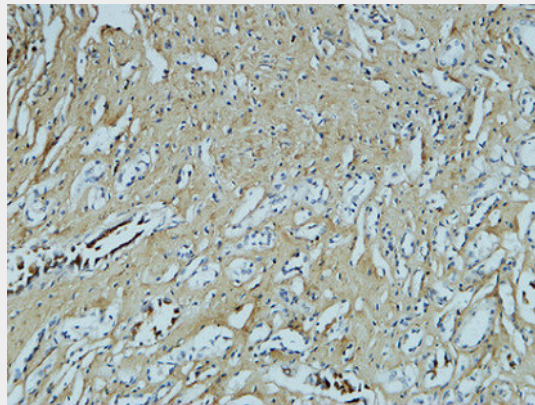
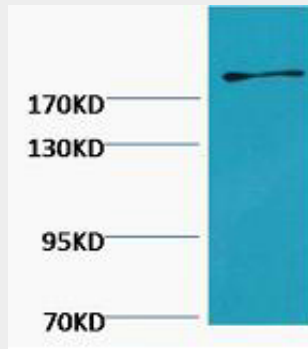
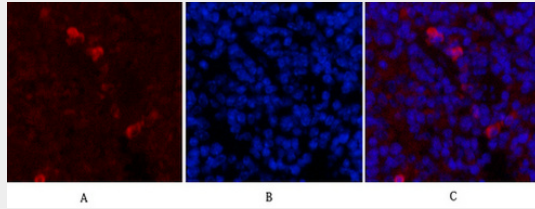
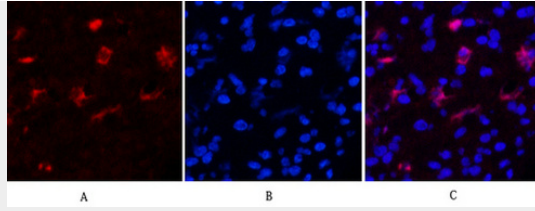
### Fibronectin Monoclonal Antibody(M9) - Protocols

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

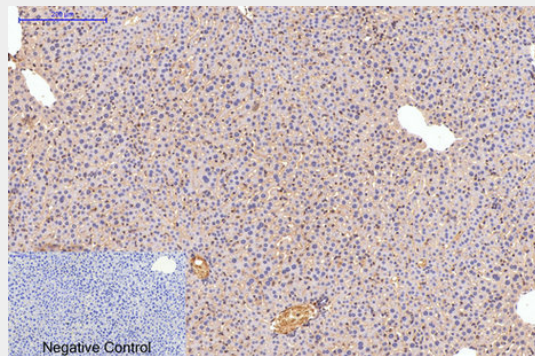
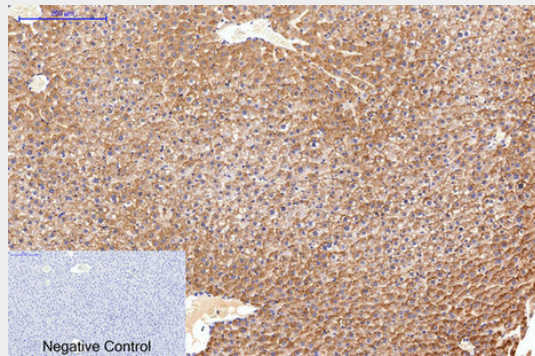
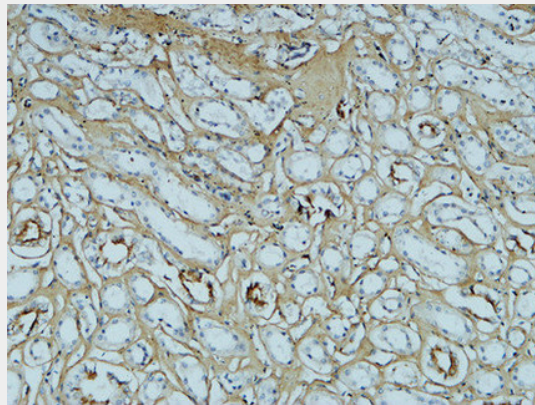
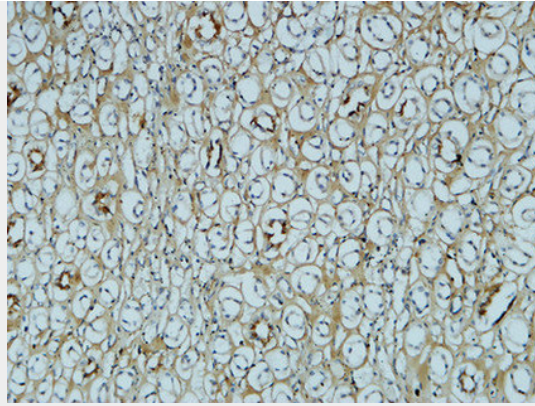
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

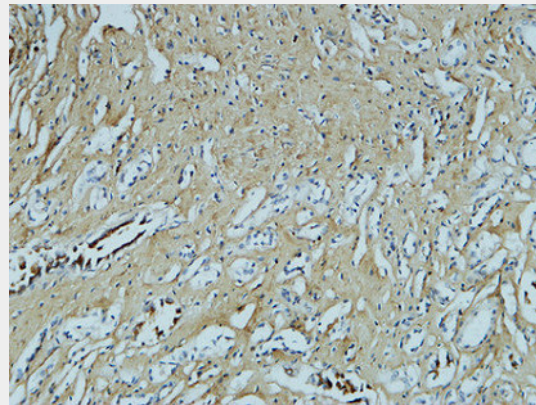
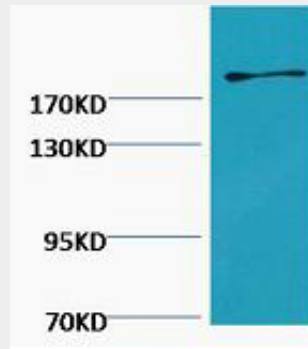
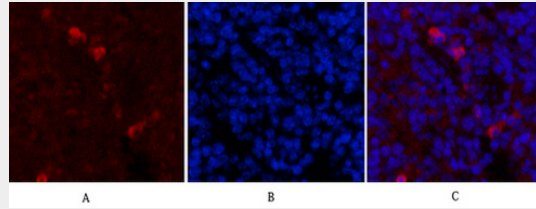
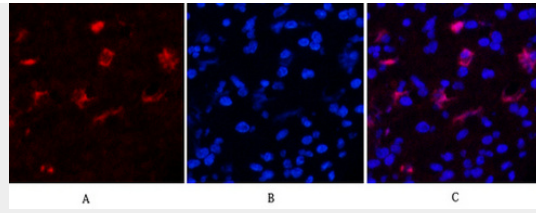
### Fibronectin Monoclonal Antibody(M9) - Images

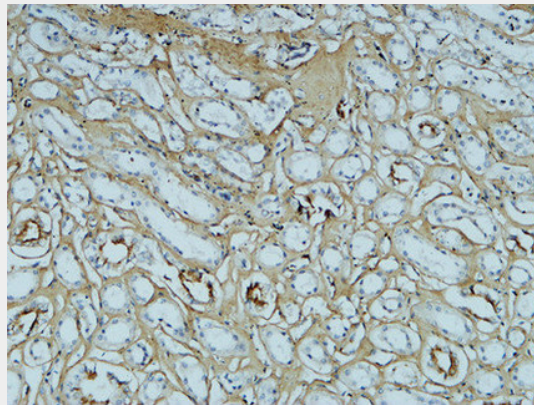
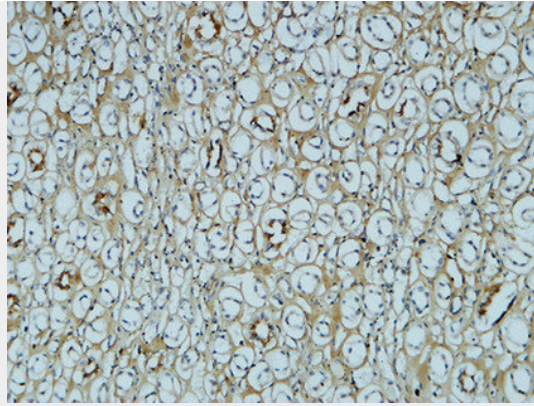












### **Fibronectin Monoclonal Antibody(M9) - Background**

Fibronectins bind cell surfaces and various compounds including collagen, fibrin, heparin, DNA, and actin. Fibronectins are involved in cell adhesion, cell motility, opsonization, wound healing, and maintenance of cell shape. Involved in osteoblast compaction through the fibronectin fibrillogenesis cell-mediated matrix assembly process, essential for osteoblast mineralization. Participates in the regulation of type I collagen deposition by osteoblasts.