

**FN1 / Fibronectin Antibody**  
**Rabbit Polyclonal Antibody**  
**Catalog # ALS11336****Specification**

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**FN1 / Fibronectin Antibody - Product Information**

Application	IHC
Primary Accession	<a href="#">P02751</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	263kDa KDa

**FN1 / Fibronectin Antibody - Additional Information****Gene ID** 2335**Other Names**

Fibronectin, FN, Cold-insoluble globulin, CIG, Anastellin, Ugl-Y1, Ugl-Y2, Ugl-Y3, FN1, FN

**Target/Specificity**

Fibronectin was purified from Human plasma by binding to a denatured gelatin column followed by elution with high concentrations of arginine. The eluted material was further purified by gel filtration. Immunization occurred after single-band purity w ...

**Reconstitution & Storage**

Store vial at 4 C prior to opening. This product is stable at 4 C as an undiluted liquid. Dilute only prior to immediate use. For extended storage mix with an equal volume of glycerol, aliquot contents and freeze at -20 C or below.

**Precautions**

FN1 / Fibronectin Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**FN1 / Fibronectin Antibody - Protein Information****Name** FN1 ([HGNC:3778](#))**Synonyms** FN**Function**

Fibronectins bind cell surfaces and various compounds including collagen, fibrin, heparin, DNA, and actin (PubMed:<[a href="http://www.uniprot.org/citations/3024962" target="\\_blank">3024962](http://www.uniprot.org/citations/3024962)</a>, PubMed:<[a href="http://www.uniprot.org/citations/3900070" target="\\_blank">3900070](http://www.uniprot.org/citations/3900070)</a>, PubMed:<[a href="http://www.uniprot.org/citations/3593230" target="\\_blank">3593230](http://www.uniprot.org/citations/3593230)</a>, PubMed:<[a href="http://www.uniprot.org/citations/7989369" target="\\_blank">7989369](http://www.uniprot.org/citations/7989369)</a>). Fibronectins are involved in cell adhesion, cell motility, opsonization, wound healing, and maintenance of cell shape (PubMed:<a

[3024962](http://www.uniprot.org/citations/3024962)</a>, PubMed:<a href="http://www.uniprot.org/citations/3900070" target="\_blank">3900070</a>, PubMed:<a href="http://www.uniprot.org/citations/3593230" target="\_blank">3593230</a>, PubMed:<a href="http://www.uniprot.org/citations/7989369" target="\_blank">7989369</a>). 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**

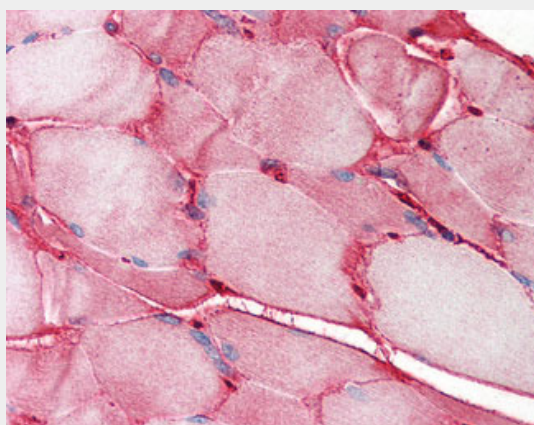
Expressed in the inner limiting membrane and around blood vessels in the retina (at protein level) (PubMed:29777959) Plasma FN (soluble dimeric form) is secreted by hepatocytes. Cellular FN (dimeric or cross-linked multimeric forms), made by fibroblasts, epithelial and other cell types, is deposited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

### **FN1 / Fibronectin Antibody - 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](#)

### **FN1 / Fibronectin Antibody - Images**



Anti-FN1 / Fibronectin antibody IHC of human skeletal muscle.

### **FN1 / Fibronectin Antibody - 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.

#### **FN1 / Fibronectin Antibody - References**

Schor S.L.,et al.Breast Cancer Res. 3:373-379(2001).

Kay R.A.,et al.Cancer Res. 65:10742-10749(2005).

Kato S.,et al.DNA Res. 12:53-62(2005).

Totoki Y.,et al.Submitted (MAR-2005) to the EMBL/GenBank/DDBJ databases.

Bechtel S.,et al.BMC Genomics 8:399-399(2007).