

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

FN1 / Fibronectin Antibody - Product Information

Application	IHC
Primary Accession	P02751
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: [3024962](http://www.uniprot.org/citations/3024962) target="_blank">3024962, PubMed: [3593230](http://www.uniprot.org/citations/3593230) target="_blank">3593230, PubMed: [3900070](http://www.uniprot.org/citations/3900070) target="_blank">3900070, PubMed: [7989369](http://www.uniprot.org/citations/7989369) target="_blank">7989369). 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), 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:[34089617](http://www.uniprot.org/citations/34089617)).

Cellular Location

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

Tissue Location

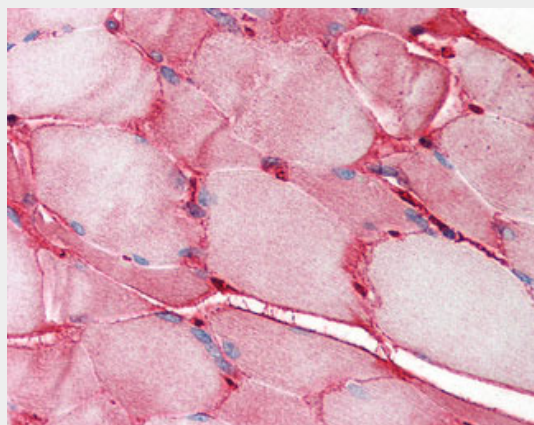
Expressed in the inner limiting membrane and around blood vessels in the retina (at protein level) (PubMed:29777959) Plasma FN (soluble dimeric form) is secreted by hepatocytes. Cellular FN (dimeric or cross-linked multimeric forms), made by fibroblasts, epithelial and other cell types, is deposited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

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).