

**FN1 / Fibronectin Antibody (clone 16E5)**  
**Mouse Monoclonal Antibody**  
**Catalog # ALS14805****Specification**

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**FN1 / Fibronectin Antibody (clone 16E5) - Product Information**

Application	WB
Primary Accession	<a href="#">P02751</a>
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Calculated MW	263kDa KDa

**FN1 / Fibronectin Antibody (clone 16E5) - Additional Information****Gene ID** 2335**Other Names**

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

**Reconstitution & Storage**

Short term 4°C, long term aliquot and store at -20°C, avoid freeze thaw cycles.

**Precautions**

FN1 / Fibronectin Antibody (clone 16E5) is for research use only and not for use in diagnostic or therapeutic procedures.

**FN1 / Fibronectin Antibody (clone 16E5) - 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: [3900070](http://www.uniprot.org/citations/3900070), PubMed: [3593230](http://www.uniprot.org/citations/3593230), 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: [3900070](http://www.uniprot.org/citations/3900070), PubMed: [3593230](http://www.uniprot.org/citations/3593230), 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).

#### Volume

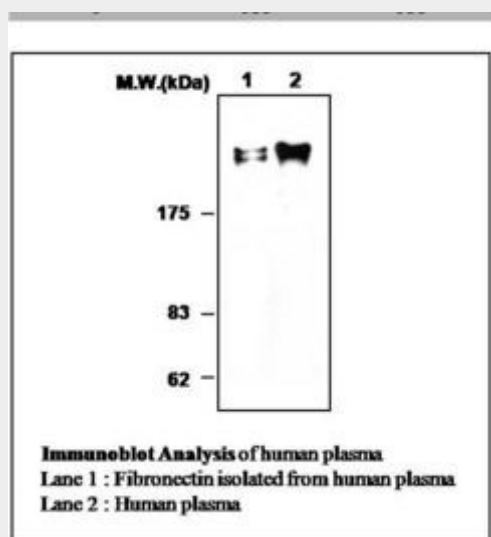
50 µl

### FN1 / Fibronectin Antibody (clone 16E5) - 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 (clone 16E5) - Images



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### FN1 / Fibronectin Antibody (clone 16E5) - 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 (clone 16E5) - 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).