

FN1 / Fibronectin Antibody (clone 2F4)
Mouse Monoclonal Antibody
Catalog # ALS16585**Specification**

FN1 / Fibronectin Antibody (clone 2F4) - Product Information

Application	WB, IHC-P, E, FC
Primary Accession	P02751
Other Accession	2335
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Calculated MW	272320
Dilution	WB~~1:1000 IHC-P~~N/A E~~N/A FC~~1:10~50

FN1 / Fibronectin Antibody (clone 2F4) - Additional Information**Gene ID** 2335**Other Names**

FN1, CIG, Cold-insoluble globulin, Fibronectin 1, FINC, LETS, GFND, ED-B, Fibronectin, FN, FNZ, GFND2, Migration-stimulating factor, MSF

Target/Specificity

Human fibronectin

Reconstitution & Storage

Ascites, 0.03% sodium azide. Long term: -20°C; Short term: +4°C; Avoid freeze-thaw cycles.

Precautions

FN1 / Fibronectin Antibody (clone 2F4) is for research use only and not for use in diagnostic or therapeutic procedures.

FN1 / Fibronectin Antibody (clone 2F4) - 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)

target="_blank">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).

Volume

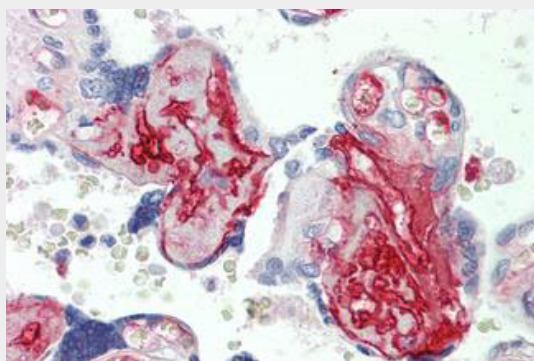
50 µl

FN1 / Fibronectin Antibody (clone 2F4) - Protocols

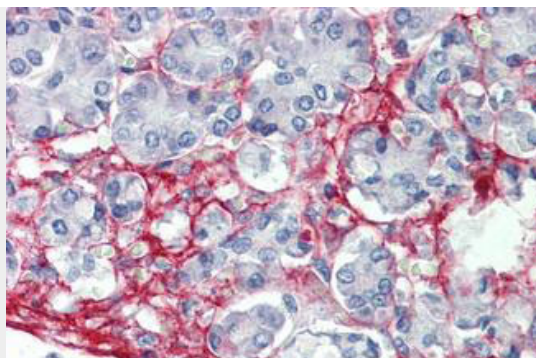
Provided below are standard protocols that you may find useful for product applications.

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

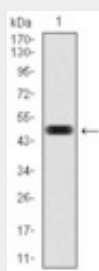
FN1 / Fibronectin Antibody (clone 2F4) - Images



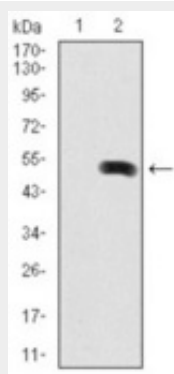
Anti-FN1 / Fibronectin antibody IHC staining of human placenta.



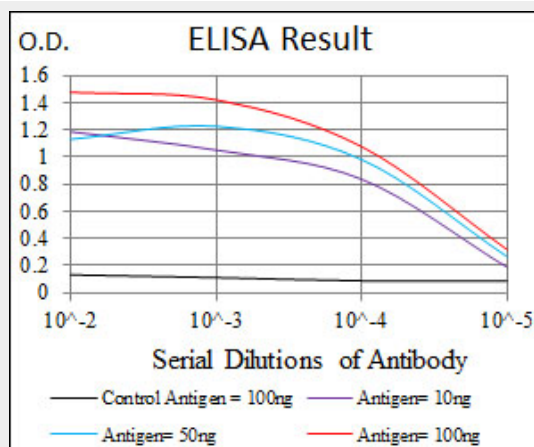
Anti-FN1 / Fibronectin antibody IHC staining of human pancreas.



Western blot using FN1 monoclonal antibody against human FN1 (AA: 1965-2176) recombinant protein.



Western blot using FN1 monoclonal antibody against HEK293 (1) and FN1 (AA: 1965-2176)-hlgGfC...



Red: Control Antigen (100ng); Purple: Antigen (10ng); Green: Antigen (50ng); Blue: Antigen (100ng);

FN1 / Fibronectin Antibody (clone 2F4) - 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 2F4) - 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).