

FN1 Polyclonal Antibody
Catalog # AP69916**Specification**

FN1 Polyclonal Antibody - Product Information

Application	WB, IHC-P
Primary Accession	P02751
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal

FN1 Polyclonal Antibody - Additional Information**Gene ID** 2335**Other Names**

FN1; FN; Fibronectin; FN; Cold-insoluble globulin; CIG

Dilution

WB~~Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/20000. Not yet tested in other applications.

IHC-P~~N/A

Format

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

Storage Conditions

-20°C

FN1 Polyclonal 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:<<http://www.uniprot.org/citations/3024962>>3024962, PubMed:<<http://www.uniprot.org/citations/3593230>>3593230, PubMed:<<http://www.uniprot.org/citations/3900070>>3900070, PubMed:<<http://www.uniprot.org/citations/7989369>>7989369). Fibronectins are involved in cell adhesion, cell motility, opsonization, wound healing, and maintenance of cell shape (PubMed:<<http://www.uniprot.org/citations/3024962>>3024962, PubMed:<<http://www.uniprot.org/citations/3593230>>3593230, PubMed:<<http://www.uniprot.org/citations/3900070>>3900070, PubMed:<<http://www.uniprot.org/citations/7989369>>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

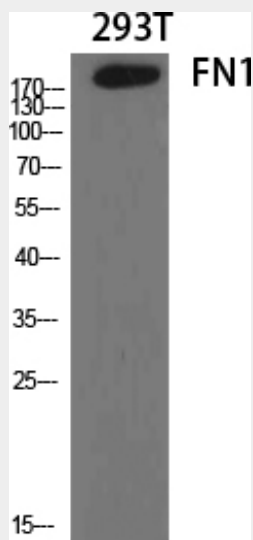
Expressed in the inner limiting membrane and around blood vessels in the retina (at protein level) (PubMed:29777959) Plasma FN (soluble dimeric form) is secreted by hepatocytes. Cellular FN (dimeric or cross-linked multimeric forms), made by fibroblasts, epithelial and other cell types, is deposited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

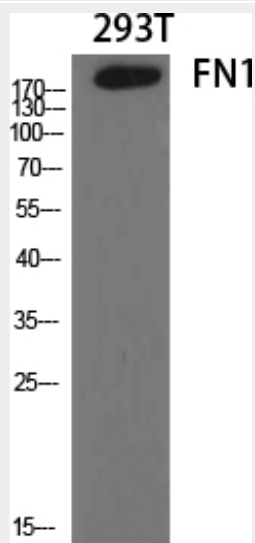
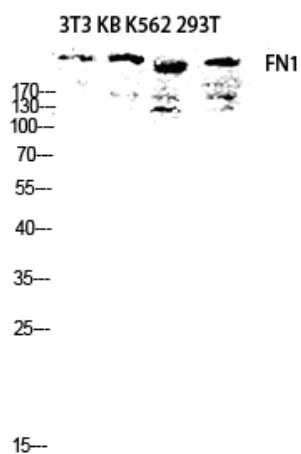
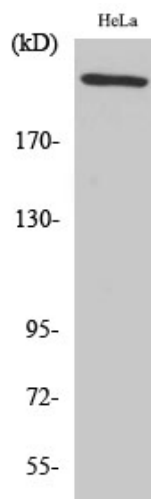
FN1 Polyclonal Antibody - Protocols

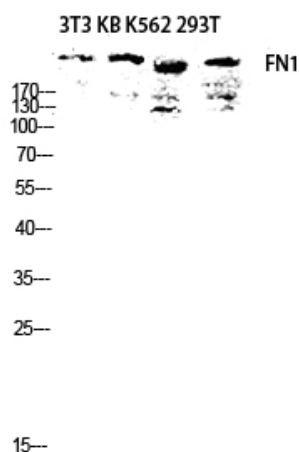
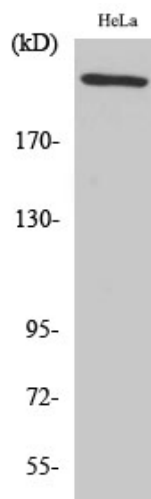
Provided below are standard protocols that you may find useful for product applications.

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

FN1 Polyclonal Antibody - Images







FN1 Polyclonal 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.