

KD-Validated Anti-Fibronectin 1 Rabbit Monoclonal Antibody
Rabbit monoclonal antibody
Catalog # AGI2367**Specification****KD-Validated Anti-Fibronectin 1 Rabbit Monoclonal Antibody - Product Information**

Application	WB, FC, ICC
Primary Accession	P02751
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Isotype	Rabbit IgG
Calculated MW	Predicted, 263 kDa ; Observed, 263 kDa
Gene Name	FN1
Aliases	Fibronectin1; CIG; Cold-Insoluble Globulin; GFND2; LETS ; FINC; MSF; Migration-Stimulating Factor; Lnc-ABCA12-8; Fibronectin; FN; Epididymis Secretory Sperm Binding Protein; LNC-ABCA12-8; SMDCF; ED-B; GFND; FNZ
Immunogen	A synthesized peptide derived from human Fibronectin

KD-Validated Anti-Fibronectin 1 Rabbit Monoclonal Antibody - Additional Information

Gene ID	2335
Other Names	
Fibronectin, FN, Cold-insoluble globulin, CIG, Anastellin, Ugl-Y1, Ugl-Y2, Ugl-Y3, FN1 (http://www.genenames.org/cgi-bin/gene_symbol_report?hgnc_id=3778) target="_blank">HGNC:3778), FN	

KD-Validated Anti-Fibronectin 1 Rabbit Monoclonal 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> target="_blank">3024962, PubMed: <http://www.uniprot.org/citations/3593230> target="_blank">3593230, PubMed: <http://www.uniprot.org/citations/3900070> target="_blank">3900070, PubMed: <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: <http://www.uniprot.org/citations/3024962> target="_blank">3024962, PubMed: <http://www.uniprot.org/citations/3593230> target="_blank">3593230, PubMed: <http://www.uniprot.org/citations/3900070> target="_blank">3900070, PubMed: <http://www.uniprot.org/citations/7989369> target="_blank">7989369).

href="http://www.uniprot.org/citations/7989369" target="_blank">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

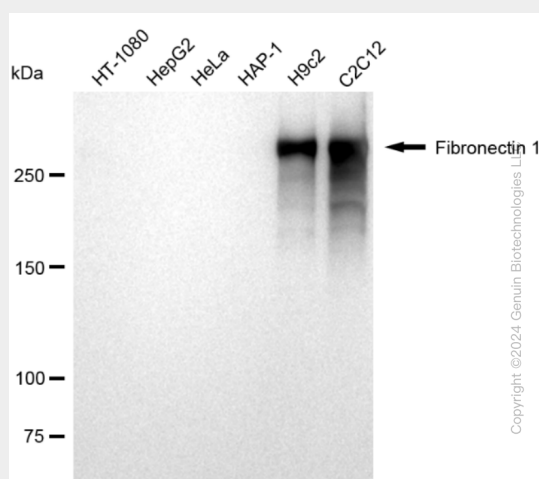
Expressed in the inner limiting membrane and around blood vessels in the retina (at protein level) (PubMed:29777959) Plasma FN (soluble dimeric form) is secreted by hepatocytes. Cellular FN (dimeric or cross-linked multimeric forms), made by fibroblasts, epithelial and other cell types, is deposited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

KD-Validated Anti-Fibronectin 1 Rabbit Monoclonal Antibody - Protocols

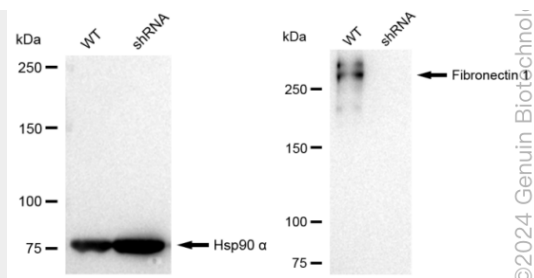
Provided below are standard protocols that you may find useful for product applications.

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

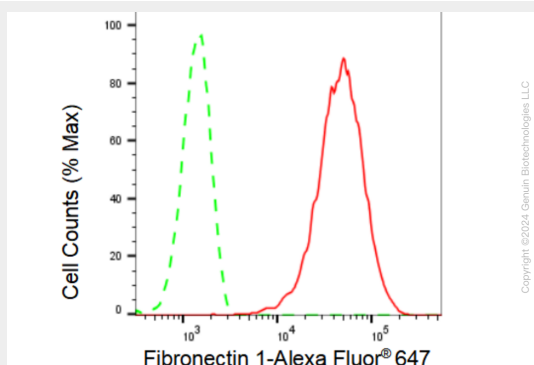
KD-Validated Anti-Fibronectin 1 Rabbit Monoclonal Antibody - Images



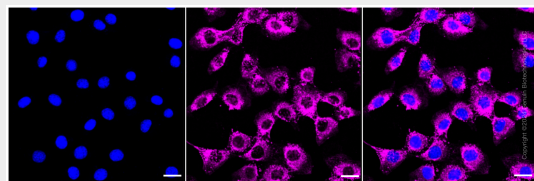
Western blotting analysis using anti-Fibronectin 1 antibody (Cat#AGI2367). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-Fibronectin 1 antibody (Cat#AGI2367, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Western blotting analysis using anti-Fibronectin 1 antibody (Cat#AGI2367). Fibronectin 1 expression in wild type (WT) and fibronectin 1 shRNA knockdown (KD) HeLa cells with 30 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with anti-Fibronectin 1 antibody (Cat#AGI2367, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Flow cytometric analysis of Fibronectin 1 expression in C2C12 cells using Fibronectin 1 antibody (Cat#AGI2367, 1:2,000). Green, isotype control; red, Fibronectin 1.



Immunocytochemical staining of C2C12 cells with Fibronectin 1 antibody (Cat#AGI2367, 1:1,000). Nuclei were stained blue with DAPI; Fibronectin 1 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: High. Scale bar: 20 µm.