

Product Name: KD-Validated Fibronectin 1 Recombinant Rabbit Monoclonal Antibody
Catalog #: KVA00199

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,ICC
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000; FC 1:200-1:2,000; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 272.3kDa

Antigen Information

Gene Name	FN1 Fibronectin1; CIG; Cold-Insoluble Globulin; GFND2; LETS ; FINC; MSF; Migration-Stimulating
Alternative Names	Factor; Lnc-ABCA12-8; Fibronectin; FN; Epididymis Secretory Sperm Binding Protein; LNC-ABCA12-8; SMDCF; ED-B; GFND; FNZ
Gene ID	2335.0
SwissProt ID	P02751
Immunogen	A synthesized peptide derived from human Fibronectin

Background

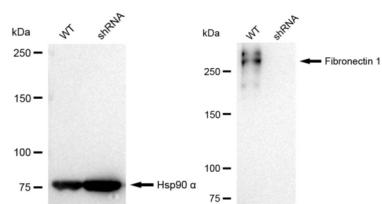
This gene encodes fibronectin, a glycoprotein present in a soluble dimeric form in plasma, and in a dimeric or multimeric form at the cell surface and in extracellular matrix. The encoded preproprotein is proteolytically processed to generate the mature

protein. Fibronectin is involved in cell adhesion and migration processes including embryogenesis, wound healing, blood coagulation, host defense, and metastasis. The gene has three regions subject to alternative splicing, with the potential to produce 20 different transcript variants, at least one of which encodes an isoform that undergoes proteolytic processing. The full-length nature of some variants has not been determined. [provided by RefSeq, Jan 2016]

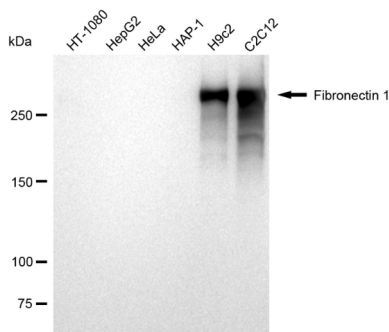
Research Area

Cardiovascular,Signal Transduction,Stem Cells,Cancer,Developmental Biology

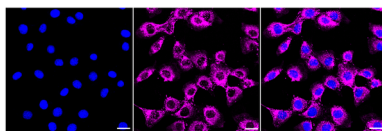
Image Data



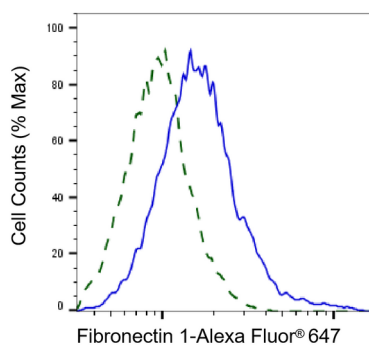
Western blotting analysis using Fibronectin 1 antibody (KVA00199). Fibronectin 1 expression in wild type (WT) and fibronectin 1 shRNA knockdown (KD) HeLa cells with 30 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with Fibronectin 1 antibody (KVA00199, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



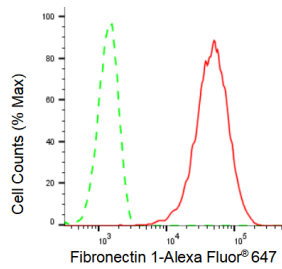
Western blotting analysis using Fibronectin 1 antibody (KVA00199). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with Fibronectin 1 antibody (KVA00199, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of C2C12 cells with Fibronectin 1 antibody (KVA00199, 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.



Validation of Fibronectin 1 knockdown using flow cytometry. Wild-type(WT, Blue) and knockdown(KD, Green) HeLa cells were stained with Fibronectin 1 antibody (KVA00199, 1:2,000) and analyzed using CytoFLEX.



Flow cytometric analysis of Fibronectin 1 expression in C2C12 cells using Fibronectin 1 antibody (KVA00199, 1:2,000). Green, isotype control; red, Fibronectin 1.