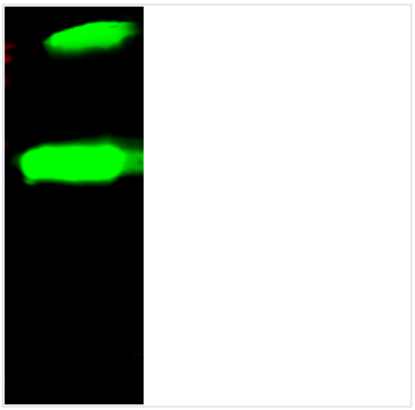
Fibronectin (FN1) Antibody – Rabbit Polyclonal

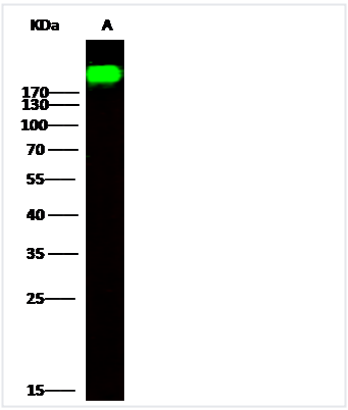
PRODUCT OVERVIEW

Product Name	Fibronectin (FN1), Polyclonal Antibody
Full Product Name	Anti-Fibronectin Antibody, Rabbit Polyclonal
Product Gene Name	anti-FN1 antibody
Product Synonym Names	Fibronectin Fragment 2 Antibody, Rabbit PAb, Antigen Affinity Purified; fibronectin 1; Anti-CIG Antibody; Anti-ED-B Antibody; Anti-FINC Antibody; Anti-FN Antibody; Anti-FNZ Antibody; Anti-GFND Antibody; Anti-GFND2 Antibody; Anti-LETS Antibody; Anti-MSF Antibody
Clonality	Polyclonal
Isotype	Rabbit IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid; 0.2um filtered solution in PBS
Purity/Purification	Protein A & Antigen Affinity
Specificity	Human Fibronectin Fragment 2
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.
Immunogen	Recombinant Human Fibronectin Fragment 2 protein
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with purified, recombinant Human Fibronectin Fragment 2. Fibronectin Fragment 2 specific IgG was purified by human Fibronectin Fragment 2 affinity chromatography.
Applications Tested/Suitable for anti-FN1 antibody	Western Blot (WB), ELISA (EIA), Immunoprecipitation (IP)
Application Notes for anti-FN1 antibody	WB: 1:500-1:2000 ELISA: 1:1000-1:2000 IP: 1-4uL/mg of lysate
Related Product Information for anti-FN1 antibody	Fibronectin (FN) is a glycoprotein component of the extracellular matrix of the extracellular matrix (ECM) with roles in embryogenesis, development, and wound healing. More recently, FN has emerged as player in platelet thrombus formation and diseases associated with thrombosis including vascular remodeling, atherosclerosis, and cardiac repair following a myocardial infarct. Each monomer of FN consists of three types of homologous repeating units, that is 12 type I repeats, two type II repeats and 15-17 type III repeats. The occurrence of multiple isoforms results from alternative mRNA splicing of the ED-A, ED-B and III-CS regions, and subsequent post-translational modification. As an ECM component and one of the primary cell adhesion molecules, Fibronectin can be a ligand for fibrin, heparin, chondroitin sulfate, collagen/gelatin, as well as many integrin receptors through which FN mediates the variety of cellular signaling pathways. The study of solid human tumors showed among the early signs of malignant transformation the fragmentation of pericellular FN, concommitent with the increase of its production by the peritumoral stroma. These results should encourage further investigations concerning the potential importance of Fn production and breakdown during cancer progression. FN1 expression has been described to increase significantly from the morula towards the early blastocyst stage, suggesting that FN1 may also be involved in early blastocyst formation. The fragment 2 of FN comprises the first 7 FN type III repeats and is suggested to be important for self association during fibril growth via the key module III2.

Product References and Citations for anti-FN1 antibody	Labat-Robert J. (2002) Fibronectin in malignancy. Semin Cancer Biol. 12(3): 187-95.Goossens K, et al. (2009) Quantification of fibronectin 1 (FN1) splice variants, including two novel ones, and analysis of integrins as candidate FN1 receptors in bovine preimplantation embryos. BMC Dev Biol. 9: 1.Maurer LM, et al. (2010) Emerging roles of fibronectin in thrombosis. Thromb Res. 125(4): 287-91.
Other Notes	Small volumes of anti-FN1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for FN1 purchase	MBS8102226 is an antibody targeting FN1. Also known as Anti-Fibronectin Antibody, Rabbit Polyclonal. Reactive in Human. Host: Rabbit.



Immunoprecipitation (IP) of anti-FN1 antibody
FF2 was immunoprecipitated using:Lane A:0.5 mg Jurkat Whole Cell Lysate2 uL anti-FF2 rabbit polyclonal antibody and 15 ul of 50 % Protein G agarose.Primary antibody:Anti-FF2 rabbit polyclonal antibody,at 1:500 dilution Secondary antibody:Dylight 800-labeled antibody to rabbit IgG (H+L), at 1:5000 dilution Developed using the odssey technique.Performed under reducing conditions.Predicted band size: 262 kDaObserved band size: 262 kDa



Western Blot (WB) of anti-FN1 antibody
Anti-FF2 rabbit polyclonal antibody at 1:500 dilutionLane A: HepG2 Whole Cell LysateLysates/proteins at 30 ug per lane.SecondaryGoat Anti-Rabbit IgG H&L (Dylight800) at 1/10000 dilution.Developed using the Odyssey technique. Performed under reducing conditions.Predicted band size:233 kDaObserved band size:230 kDa

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for FN1. It may not necessarily be applicable to this product.

NCBI Accession #	NP_997639.1
Protein Family	Fibronectin
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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