

Anti-Fibronectin FN1 Antibody Biotin Conjugated

Catalog Number: B00564

About FN1

Fibronectin antibody reacts with human fibronectin in liver, tonsil, skin and kidney. Traces of contaminating antibodies have been removed by solid-phase absorption. Biotin is amenable to conjugation to proteins for use in biochemical assays. Biotin has a very strong affinity for avidin and streptavidin; an attraction that is the strongest and most stable non-covalent interaction known. Fibronectin is found in two forms in vertebrates: soluble and insoluble. Soluble plasma fibronectin is contained in blood plasma and constitutes a large protein component. Insoluble cellular fibronectin is a large component of the extra-cellular matrix where it is secreted by many different types of cells. Fibronectin plays a large role in wound healing and cell development. Anti-fibronectin (rabbit) antibody is ideal for investigators in Cardiology, Cell Biology, Microbiology, and Immunology research.

Overview

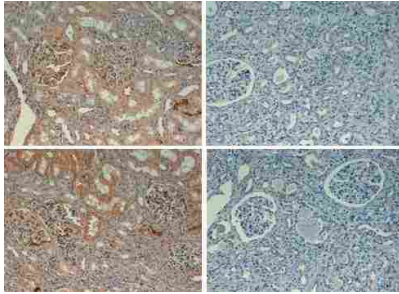
Product Name	Anti-Fibronectin FN1 Antibody Biotin Conjugated
Reactive Species	Bovine, Human, Monkey, Mouse, Rat
Description	Boster Bio Anti-Fibronectin FN1 Antibody Biotin Conjugated (Catalog # B00564). Tested in ELISA, IHC, WB applications. This antibody reacts with Human, Mouse, Rat, Bovine, Monkey.
Conjugate	Biotin
Application	ELISA, IHC, WB
Clonality	Polyclonal
Formulation	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2, 10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free, 0.01% (w/v) Sodium Azide
Storage Instructions	Store vial at 4°C prior to restoration. For extended storage aliquot contents and freeze at -20°C or below. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4°C as an undiluted liquid. Dilute only prior to immediate use. Expiration date is one (1) year from date of opening. (Ship on dry ice.)
Host	Rabbit
Uniprot ID	P02751

Technical Details

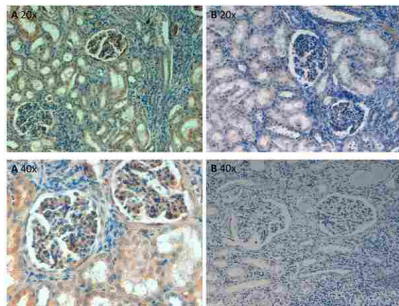
Immunogen	Fibronectin was purified from Human plasma by binding to a denatured gelatin column followed by elution with high concentrations of arginine. The eluted material was further purified by gel filtration. Immunization occurred after single-band purity was assessed by SDS-PAGE.
Predicted Reactive Species	Bovine, Monkey

Cross Reactivity	No cross reactivity with other proteins.
Isotype	IgG
Form	Lyophilized
Concentration	1.0 mg/ml by UV absorbance at 280 nm
Purification	Anti-fibronectin (rabbit) antibody has been prepared by immunoaffinity chromatography using immobilized antigens followed by extensive cross-adsorption against human serum proteins and collagen and non-collagen extracellular matrix proteins to remove any unwanted specificity. Typically less than 1% cross-reactivity against other extracellular matrix proteins was detected by ELISA against purified standards. This antibody reacts with human Fibronectin and has negligible cross-reactivity with Type I, II, III, IV, V or VI Collagens or Laminin. Non-specific cross-reaction of anti-Fibronectin antibodies with other human serum proteins or non-Fibronectin extracellular matrix proteins is negligible.
Suggested Dilutions	Dilute the sample so that the expected range of concentrations fall within the detection range of this kit. If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples. Some PubMed article(s) citing the expression level of this target are as follows: Boster Bio's internal QC testing used: ELISA: 1:5,000 - 1:20,000 Fluorochrome Protein Value: 10-20 IHC: 1:50 - 1:200 IP: 1:100 WB: 1:500 - 1:5,000

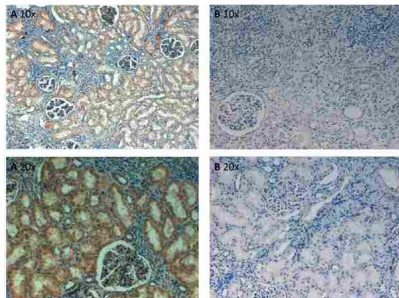
Anti-Fibronectin FN1 Antibody Biotin Conjugated (B00564) Images



Fibronectin was detected in paraffin-embedded sections of kidney tissues using biotin conjugated rabbit anti-Fibronectin affinity purified polyclonal antibody (Catalog # B00564) at 2



Fibronectin was detected in paraffin-embedded sections of human kidney tissues using biotin conjugated rabbit anti-Fibronectin affinity purified polyclonal antibody (Catalog # B00564) at 10



Fibronectin was detected in paraffin-embedded sections of human kidney tissues using biotin conjugated rabbit anti-Fibronectin affinity purified polyclonal antibody (Catalog # B00564) at 10

8 Publications Citing This Product

1. PubMed ID: 26577463, Salidroside protects against bleomycin-induced pulmonary fibrosis: activation of Nrf2-antioxidant signaling, and inhibition of NF- κ B and TGF- β 1/Smad-2/-3 pathways
2. PubMed ID: 23431386, Wang H, Wang Hs, Zhou Bh, Li Cl, Zhang F, Wang Xf, Zhang G, Bu Xz, Cai Sh, Du J. Plos One. 2013;8(2):E56664. Doi: 10.1371/Journal.Pone.0056664. Epub 2013 Feb 19. Epithelial-Mesenchymal Transition (Emt) Induced By Tnf- α Requires Akt/Gsk-3 β -Mediat...
3. PubMed ID: 26617787, RAC1 overexpression promotes the proliferation, migration and epithelial-mesenchymal transition of lens epithelial cells

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