

For Research Use Only

Anti-Human Fibronectin Rabbit Recombinant Antibody

Catalog Number: 98652-2-RR



Basic Information

Catalog Number:

98652-2-RR

Size:

100ug, 1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

EG5117

GenBank Accession Number:

NM_212482.4

GeneID (NCBI):

2335

UNIPROT ID:

P02751-15

Full Name:

fibronectin 1

Calculated MW:

272 kDa

Purification Method:

Protein A purification

CloneNo.:

251989E9

Recommended Dilutions:

IHC: 1:1000-1:4000

IF/ICC: 1:50-1:500

FC(intra): 0.25 µg per 10⁶ cells in a 100 µl suspension

Applications

Tested Applications:

IHC, IF/ICC, FC(intra)

Species Specificity:

human

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

IHC : human colon tissue,

IF/ICC : NIH/3T3 cells,

FC(intra) : MSCs (human mesenchymal stem cells),

Background Information

Fibronectin 1 (FN1) is a high molecular weight glycoprotein which exists in both a soluble form in plasma (plasma FN1) and other body fluids and an insoluble form in the extracellular matrix (cellular FN1). Plasma FN1 (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. FN1 binds to cell surfaces through integrins and to various compounds including collagen, fibrin and heparin. It is involved in cell adhesion and migration processes including embryogenesis, wound healing, hemostasis, host defense, and metastasis. (PMID: 7276612; 12244123; 12847088)

Storage

Storage:

Store at 2 - 8°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.09% sodium azide, pH7.3

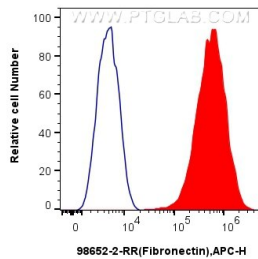
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

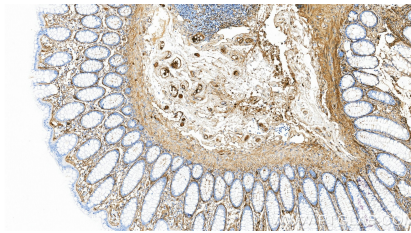
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

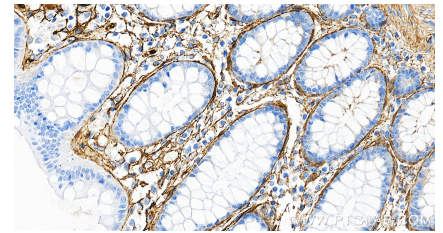
Selected Validation Data



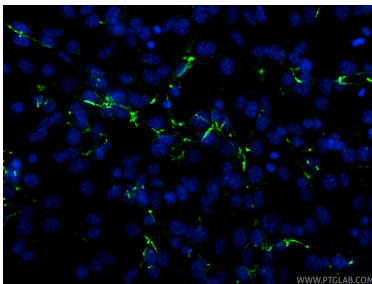
1x10⁶ MSCs(human mesenchymal stem cells) cells were stained with 0.25 ug Anti-Human Fibronectin Rabbit RecAb (98652-2-RR, Clone:251989E9) (red), or Rabbit IgG Isotype Control RecAb (98136-1-RR, Clone: 240953C9) (blue) and APC-Conjugated Goat Anti-Rabbit IgG(H+L). Cells were fixed and permeabilized with Intracellular Flow Cytometry Fixation & Permeabilization Buffer Kit (PF00019).



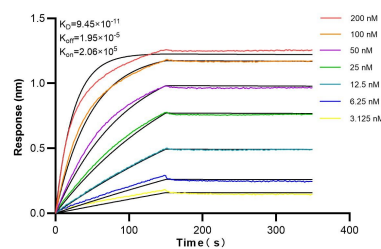
Immunohistochemical analysis of paraffin-embedded human colon tissue slide using 98652-2-RR (Fibronectin antibody) at dilution of 1:2000 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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Immunofluorescent analysis of (-20°C Ethanol) fixed NIH/3T3 cells using Fibronectin antibody (98652-2-RR, Clone: 251989E9) at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).



Biolayer interferometry (BLI) kinetic assays of 98652-2-RR against Human Fibronectin were performed. The affinity constant is 94.5 pM.