

Fibronectin Recombinant monoclonal antibody

Catalog Number: 80911-4-RR

Basic Information

Catalog Number:

80911-4-RR

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

Observed MW:

220-275 kDa

Purification Method:

Protein A purification

CloneNo.:

251989E12

Recommended Dilutions:

WB: 1:5000-1:50000

IF/ICC: 1:50-1:500

Applications

Tested Applications:

WB, IF/ICC, ELISA

Species Specificity:

human, mouse, rat

Positive Controls:

WB : NIH/3T3 cells, HepG2 cells, rat plasma, mouse uterus tissue

IF/ICC : NIH/3T3 cells,

Background Information

Fibronectin (fibronectin) is a kind of macromolecular glycoprotein widely existing in extracellular matrix (ECM), plasma and various cell surfaces, which plays a central role in key biological processes such as cell adhesion, migration, proliferation, differentiation, tissue repair and embryo development. Fibronectin is usually a dimer structure, which consists of two subunits connected by disulfide bonds. There are two main forms of Fibronectin: plasma Fibronectin(pFN) is synthesized by liver cells and exists in the blood, which is involved in the processes of coagulation and wound repair. Cellular Fibronectin(cFN) is synthesized by fibroblasts and other cells, deposited in extracellular matrix, and participates in the interaction between cells and matrix. Its molecular weight ranges from 220 to 275 kDa.

Storage

Storage:

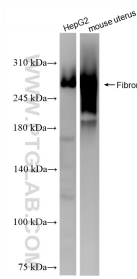
Store at -20°C. Stable for one year after shipment.

Storage Buffer:

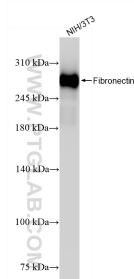
PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

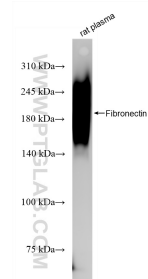
Selected Validation Data



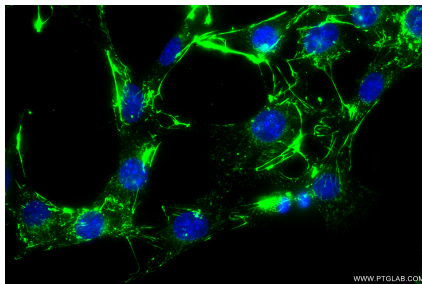
Various lysates were subjected to SDS PAGE followed by western blot with 80911-4-RR (Fibronectin antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



NIH/3T3 cells were subjected to SDS PAGE followed by western blot with 80911-4-RR (Fibronectin antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



rat plasma were subjected to SDS PAGE followed by western blot with 80911-4-RR (Fibronectin antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Ethanol) fixed NIH/3T3 cells using Fibronectin antibody (80911-4-RR, Clone: 251989E12) at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).