

For Research Use Only

Fibromodulin Monoclonal antibody



Catalog Number: 60108-1-Ig

Featured Product

10 Publications

Basic Information

Catalog Number:

60108-1-Ig

Size:

1500 µg/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG4030

GenBank Accession Number:

BC035281

GeneID (NCBI):

2331

UNIPROT ID:

Q06828

Full Name:

fibromodulin

Calculated MW:

376 aa, 43 kDa

Purification Method:

Caprylic acid/ammonium sulfate precipitation

CloneNo.:

3E9D10

Recommended Dilutions:

IHC 1:150-1:600

Applications

Tested Applications:

IHC, ELISA

Cited Applications:

WB, IF, IHC

Species Specificity:

human

Cited Species:

human, rat, mouse

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 hepatocirrhosis tissue,

Background Information

Fibromodulin (FMOD), an extracellular matrix protein, belongs to the small leucine-rich proteoglycan family. Fibromodulin is a collagen-binding protein present in many types of connective tissues, e.g. cartilage, tendon, skin, sclera and cornea (PMID: 2531085). It is involved in fibrillogenesis, cell adhesion, and cytokine activity modulation (PMID: 15741214). Fibromodulin may participate in the assembly of the extracellular matrix as it interacts with type I and type II collagen fibrils and inhibits fibrillogenesis in vitro. It may also regulate TGF-beta activities by sequestering TGF-beta into the extracellular matrix. The calculated molecular mass of fibromodulin is 43 kDa, extracellular fibromodulin appears as one single band of 59 kDa due to glycosylation (PMID: 2531085; 22138190).

Notable Publications

Author	Pubmed ID	Journal	Application
Irit Adini	25406462	FASEB J	
Xin Jin	31410136	Exp Ther Med	IF
Irit Adini	24355922	J Clin Invest	IHC

Storage

Storage:

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

Storage Buffer:

PBS with 0.1% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

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

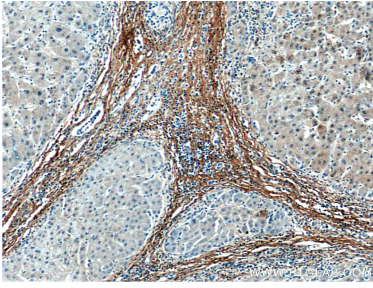
T: 4006900926

E: Proteintech-CN@ptglab.com

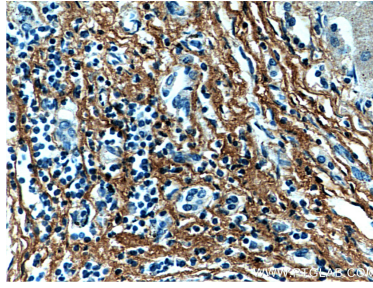
W: ptgcn.com

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

Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human hepatocirrhosis tissue slide using 60108-1-Ig (Fibromodulin antibody) at dilution of 1:300 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human hepatocirrhosis tissue slide using 60108-1-Ig (Fibromodulin antibody) at dilution of 1:300 (under 40x lens).