

For Research Use Only

Fibromodulin Monoclonal antibody

Catalog Number: 60108-1-Ig

Featured Product

10 Publications



Basic Information

Catalog Number: 60108-1-Ig	GenBank Accession Number: BC035281	Purification Method: Caprylic acid/ammonium sulfate precipitation
Size: 150ul, Concentration: 1500 µg/ml by Nanodrop and 1000 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 2331	CloneNo.: 3E9D10
Source: Mouse	Full Name: fibromodulin	Recommended Dilutions: IHC 1:150-1:600
Isotype: IgG1	Calculated MW: 376 aa, 43 kDa	
Immunogen Catalog Number: AG4030		

Applications

Tested Applications: IHC, ELISA	Positive Controls: IHC : human hepatocirrhosis tissue,
Cited Applications: IF, IHC, WB	
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	

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

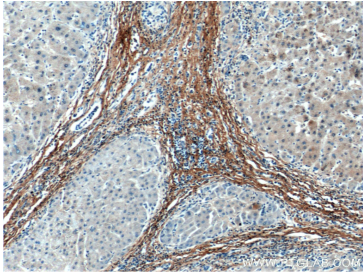
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.1% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

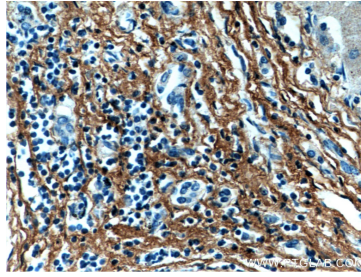
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

Selected Validation Data



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).