

For Research Use Only

Fibromodulin Polyclonal antibody

Catalog Number: 13281-1-AP

3 Publications



Basic Information

Catalog Number:

13281-1-AP

Size:

150ul, Concentration: 240 ug/ml by Nanodrop and 133 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG4030

GenBank Accession Number:

BC035281

GeneID (NCBI):

2331

UNIPROT ID:

Q06828

Full Name:

fibromodulin

Calculated MW:

376 aa, 43 kDa

Observed MW:

43 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

IF/ICC 1:200-1:800

Applications

Tested Applications:

WB, IF/ICC, ELISA

Cited Applications:

WB

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse, rat

Positive Controls:

WB : human liver tissue,

IF/ICC : HepG2 cells,

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
Xiyan Dai	39592912	FEBS Open Bio	WB
Aude Angelini	39492659	J Gerontol A Biol Sci Med Sci	WB
Lingyun Xia	37965134	iScience	WB

Storage

Storage:

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

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

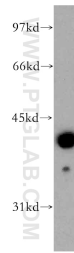
For technical support and original validation data for this product please contact:

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

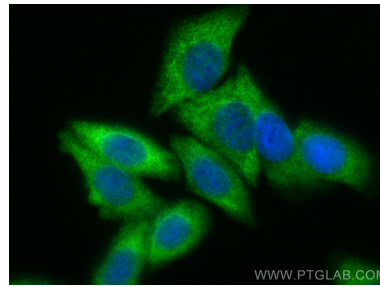
E: proteintech@ptglab.com
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Selected Validation Data



human liver tissue were subjected to SDS PAGE followed by western blot with 13281-1-AP (Fibromodulin antibody) at dilution of 1:400 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using Fibromodulin antibody (13281-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).