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FMOD Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP9243b

Product Information

Application	WB, IHC-P, FC, E
Primary Accession	Q06828
Other Accession	P13605
Reactivity	Human, Mouse
Predicted	Bovine, Rat, Canine, Chicken
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB23922
Calculated MW	43179
Antigen Region	337-364

Additional Information

Gene ID	2331
Other Names	Fibromodulin, FM, Collagen-binding 59 kDa protein, Keratan sulfate proteoglycan fibromodulin, KSPG fibromodulin, FMOD, FM, SLRR2E
Target/Specificity	This FMOD antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 337-364 amino acids from the C-terminal region of human FMOD.
Dilution	WB~~1:1000 IHC-P~~1:100~500 FC~~1:10~50 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.05% (V/V) Proclin 300. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	FMOD Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	FMOD
Synonyms	FM, SLRR2E

Function	Affects the rate of fibrils formation. May have a primary role in collagen fibrillogenesis (By similarity).
Cellular Location	Secreted, extracellular space, extracellular matrix

Background

Fibromodulin is a member of a family of small interstitial proteoglycans, containing a central region composed of leucine-rich repeats with 4 keratan sulfate chains flanked by disulfide-bonded terminal domains. It 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.

References

Ehret,G.B., et.al, Eur. J. Hum. Genet. 17 (12), 1650-1657 (2009)
Tillgren,V., et.al, J. Biol. Chem. 284 (42), 28543-28553 (2009)

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.