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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
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 0.09% (W/V) sodium azide. 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

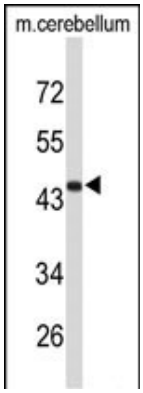
Background

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.

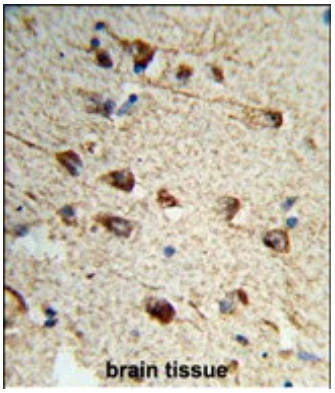
References

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)

Images

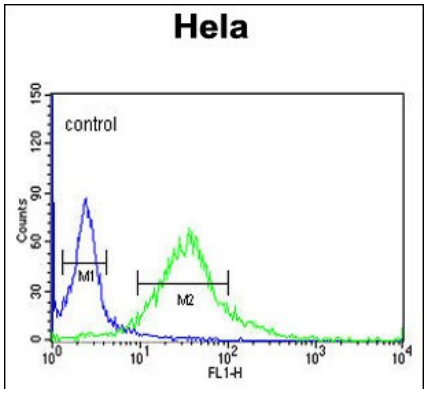


Western blot analysis of FMOD Antibody (C-term) (Cat. #AP9243b) in mouse cerebellum tissue lysates (35ug/lane). FMOD (arrow) was detected using the purified Pab.



Formalin-fixed and paraffin-embedded human brain tissue reacted with FMOD Antibody (C-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.

FMOD Antibody (C-term) (Cat. #AP9243b) flow cytometric analysis of Hela cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



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