

**FMOD Antibody (C-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP9243b**

### Specification

#### FMOD Antibody (C-term) - Product Information

Application	WB, FC, IHC-P,E
Primary Accession	<a href="#">Q06828</a>
Other Accession	<a href="#">P13605</a>
Reactivity	Human, Mouse
Predicted	Bovine
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	43179
Antigen Region	337-364

#### FMOD Antibody (C-term) - 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  
FC~~1:10~50  
IHC-P~~1:50~100  
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.

#### FMOD Antibody (C-term) - 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**

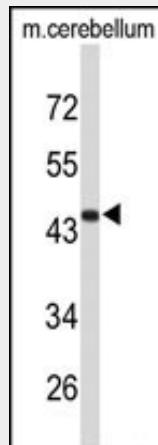
Secreted, extracellular space, extracellular matrix

**FMOD Antibody (C-term) - Protocols**

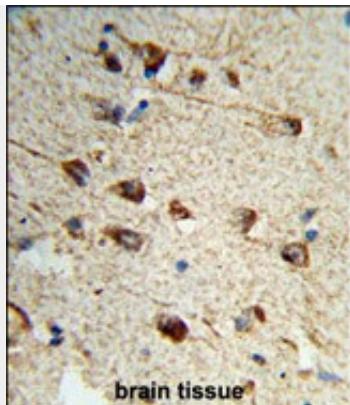
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

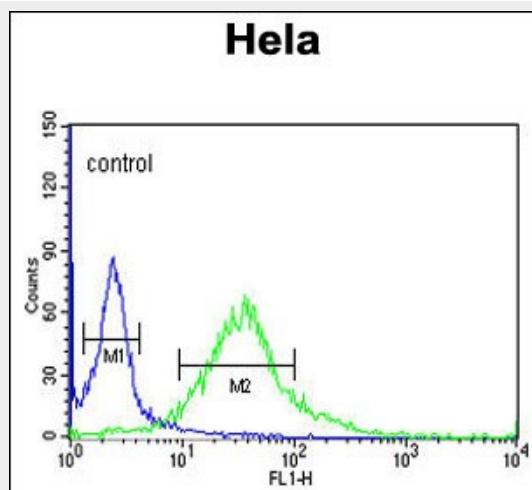
**FMOD Antibody (C-term) - Images**



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.

#### **FMOD Antibody (C-term) - 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.

#### **FMOD Antibody (C-term) - 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)