

Rabbit FMOD Polyclonal Antibody | anti-FMOD antibody

FMOD Antibody (C-term)

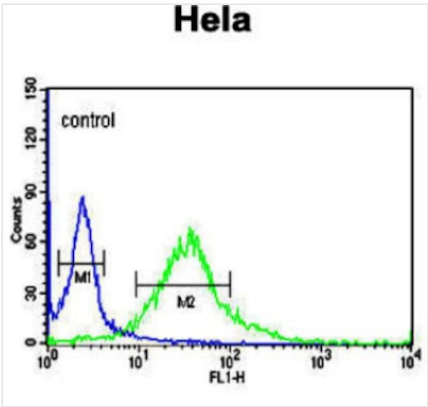
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA284436	Rabbit	Human, Mouse (Predicted Reactivity: Bovine)	Immunohistochemistry, Western Blot, ELISA, Flow Cytometry, Functional Assay

PRODUCT SYNONYMS

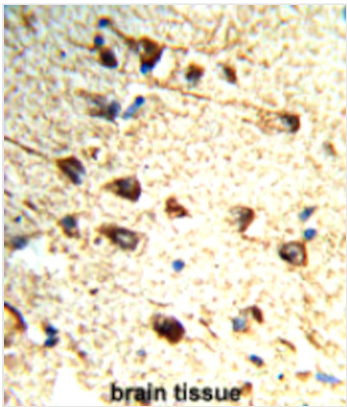
FMOD; Polyclonal Antibody; FMOD Antibody (C-term); Fibromodulin; FM; Collagen-binding 59 kDa protein; Keratan sulfate proteoglycan fibromodulin; KSPG fibromodulin; SLRR2E; anti-FMOD antibody

PRODUCT SPECIFICATIONS

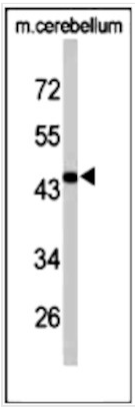
Host	Rabbit
Reactivity	Human, Mouse (Predicted Reactivity: Bovine)
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	This FMOD antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 337-364 amino acids from the C-terminal region of human FMOD.
Purity/Purification	This antibody is purified through a protein A column, followed by peptide affinity purification.
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.
Sequence Positions	337-364
Sequence Length	376
Applicable Applications for anti-FMOD antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA, FCM/FACS (Flow Cytometry)
Function	Affects the rate of fibrils formation. May have a primary role in collagen fibrillogenesis (By similarity).
Cellular Location	Secreted, extracellular space, extracellular matrix
Preparation and 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.



FCM/FACS (Flow Cytometry)
FMOD Antibody (C-term) 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.



IHC (Immunohiostchemistry)
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.



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

ADDITIONAL INFORMATION

Related Product Information for anti-FMOD antibody	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.
Product Categories/Family for anti-FMOD antibody	Signal Transduction
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)

NCBI AND UNIPROT INFORMATION

NCBI GI #	71040111
NCBI GeneID	2331
NCBI Accession #	NP_002014.2
NCBI GenBank Nucleotide #	NM_002023.4
UniProt Accession #	Q06828; Q15331; Q8IV47

Molecular Weight	43179
NCBI Official Full Name	fibromodulin
NCBI Official Synonym Full Names	fibromodulin
NCBI Official Symbol	FMOD
NCBI Official Synonym Symbols	FM; SLRR2E
NCBI Protein Information	fibromodulin
UniProt Protein Name	Fibromodulin
UniProt Gene Name	FMOD
UniProt Synonym Gene Names	FM; SLRR2E; FM; KSPG fibromodulin
UniProt Entry Name	FMOD_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/fmod-antibody-immunohistochemistry-western-blot-flow-cytometry-elisa/284436>