10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

FMOD Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP9243b

Specification

FMOD Antibody (C-term) Blocking Peptide - Product Information

Primary Accession Q06828

FMOD Antibody (C-term) Blocking Peptide - 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
The synthetic peptide sequence used to generate the antibody AP9243b was selected from the C-term region of human FMOD. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

FMOD Antibody (C-term) Blocking Peptide - 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) Blocking Peptide - Protocols

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

- Blocking Peptides

FMOD Antibody (C-term) Blocking Peptide - Images

FMOD Antibody (C-term) Blocking Peptide - 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) Blocking Peptide - 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)