ARG58756
anti-Fibromodulin antibody

Package: 50 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes Fibromodulin
Tested Reactivity	Hu, Hrs
Predict Reactivity	Ms, Rat, Cow, Dog, Gpig, Rb
Tested Application	ICC/IF, IHC-Fr, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	Fibromodulin
Species	Human
Immunogen	Synthetic peptide around the N-terminal region of Human Fibromodulin. (within the following sequence: VYFQNNQITSIQEGVFDNATGLLWIALHGNQITSDKVGRKVFSKLRHLER)
Conjugation	Un-conjugated
Alternate Names	Collagen-binding 59 kDa protein; SLRR2E; Fibromodulin; Keratan sulfate proteoglycan fibromodulin; KSPG fibromodulin; FM

Application Instructions

Predict Reactivity Note	Predicted homology based on immunogen sequence: Cow: 93%; Dog: 93%; Guinea Pig: 100%; Mouse: 100%; Rabbit: 93%; Rat: 100%

Application table

Application	Dilution
ICC/IF	Assay-dependent
IHC-Fr	Assay-dependent
IHC-P	Assay-dependent
WB	1 µg/ml

Application Note: * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

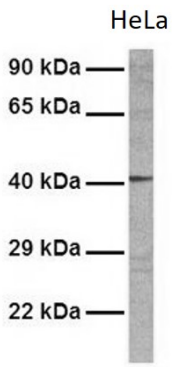
Form	Liquid
Purification	Affinity purified.
Buffer	PBS, 0.09% (w/v) Sodium azide and 2% Sucrose.
Preservative	0.09% (w/v) Sodium azide
Stabilizer	2% Sucrose

Concentration	Batch dependent: 0.5 - 1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

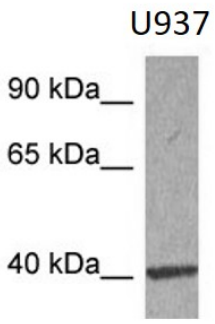
Gene Symbol	FMOD
Gene Full Name	fibromodulin
Background	Fibromodulin belongs to the family of small interstitial proteoglycans. The encoded protein possesses a central region containing leucine-rich repeats with 4 keratan sulfate chains, flanked by terminal domains containing disulphide bonds. Owing to the interaction with type I and type II collagen fibrils and in vitro inhibition of fibrillogenesis, the encoded protein may play a role in the assembly of extracellular matrix. It may also regulate TGF-beta activities by sequestering TGF-beta into the extracellular matrix. Sequence variations in this gene may be associated with the pathogenesis of high myopia. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jun 2013]
Function	Affects the rate of fibrils formation. May have a primary role in collagen fibrillogenesis (By similarity). [UniProt]
Calculated Mw	43 kDa
PTM	Binds keratan sulfate chains. [UniProt]

Images



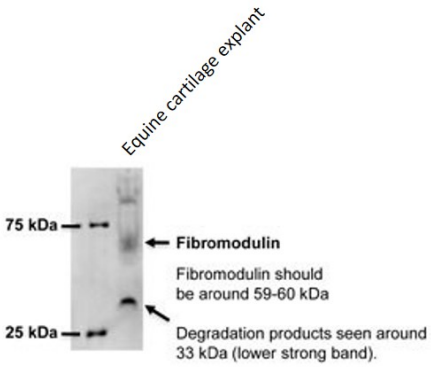
ARG58756 anti-Fibromodulin antibody WB image

Western blot: HeLa cell lysate stained with ARG58756 anti-Fibromodulin antibody at 1 µg/ml dilution.



ARG58756 anti-Fibromodulin antibody WB image

Western blot: U937 whole cell lysate stained with ARG58756 anti-Fibromodulin antibody at 1 µg/ml dilution.



ARG58756 anti-Fibromodulin antibody WB image

Western blot: Equine cartilage explant lysate stained with ARG58756 anti-Fibromodulin antibody at 1:500 dilution.