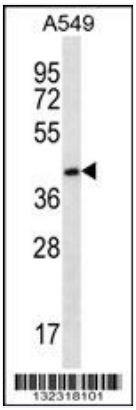
FBLIM1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	FBLIM1, Polyclonal Antibody
Full Product Name	FBLIM1 Antibody (C-term)
Product Gene Name	anti-FBLIM1 antibody
Product Synonym Names	Filamin-binding LIM protein 1; FBLP-1; Migfilin; Mitogen-inducible 2-interacting protein; MIG2-interacting protein; FBLIM1; FBLP1
Clonality	Polyclonal
Isotype	Rabbit Ig
Host	Rabbit
Species Reactivity	Human
Form/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.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Concentration	Vial Concentration: 0.5 (lot specific)
Specificity	This FBLIM1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 294-323 amino acids from the C-terminal region of human FBLIM1.
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.
Antibody/Peptide Pairs	FBLIM1 peptide (MBS9219348) is used for blocking the activity of FBLIM1 antibody (MBS9201745)
Molecular Weight	40670
Immunogen Sequence Positions	294-323
OMIM	607747
3D Structure	ModBase 3D Structure for Q8WUP2
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Product Categories/Family for anti-FBLIM1 antibody	Signal Transduction
Applications Tested/Suitable for anti-FBLIM1 antibody	Western Blot (WB), ELISA (EIA), Immunohistochemistry (IHC)
Application Notes for anti-FBLIM1 antibody	WB~~1:1000

Related Product Information for anti-FBLIM1 antibody	This gene encodes a protein with an N-terminal filamin-binding domain, a central proline-rich domain, and, multiple C-terminal LIM domains. This protein localizes at cell junctions and may link cell adhesion structures to the actin cytoskeleton. This protein may be involved in the assembly and stabilization of actin-filaments and likely plays a role in modulating cell adhesion, cell morphology and cell motility. This protein also localizes to the nucleus and may affect cardiomyocyte differentiation after binding with the CSX/NKX2-5 transcription factor. Alternative splicing results in multiple transcript variants encoding different isoforms.
Product References and Citations for anti-FBLIM1 antibody	Zhao, J., et al. J. Biol. Chem. 284(49):34308-34320(2009) Ithychanda, S.S., et al. J. Biol. Chem. 284(7):4713-4722(2009) Lad, Y., et al. J. Biol. Chem. 283(50):35154-35163(2008) Lai-Cheong, J.E., et al. J. Invest. Dermatol. 128(9):2156-2165(2008) Papachristou, D.J., et al. Histopathology 51(4):499-508(2007)
Other Notes	Small volumes of anti-FBLIM1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for FBLIM1 purchase	MBS9201745 is an antibody targeting FBLIM1. Also known as FBLIM1 Antibody (C-term). Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-FBLIM1 antibody
FBLIM1 Antibody (C-term) western blot analysis in A549 cell line lysates (35ug/lane).This demonstrates the FBLIM1 antibody detected the FBLIM1 protein (arrow).



Immunohistochemistry (IHC) of anti-FBLIM1 antibody
FBLIM1 Antibody (C-term) immunohistochemistry analysis in formalin fixed and paraffin embedded human heart tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of FBLIM1 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for FBLIM1. It may not necessarily be applicable to this product.

NCBI GI #	66932986
NCBI GeneID	54751
NCBI Accession #	NP_001019386.1
NCBI Related Accession #	NP_001019387.1; NP_060026.2
UniProt Primary Accession #	Q8WUP2
UniProt Secondary Accession #	Q5VVE0; Q5VVE1; Q8IX23; Q96T00; Q9UFD6; B3KNY0
UniProt Related Accession #	Q8WUP2
GenBank Nucleotide #	NM_001024215.1
NCBI Official Full Name	filamin-binding LIM protein 1 isoform b

NCBI Official Synonym Full Names	filamin binding LIM protein 1
NCBI Official Symbol	FBLIM1
NCBI Official Synonym Symbols	CAL; FBLP1; FBLP-1
UniProt Protein Name	Filamin-binding LIM protein 1
UniProt Synonym Protein Names	Migfilin; Mitogen-inducible 2-interacting protein; MIG2-interacting protein
Protein Family	Filamin-binding LIM protein
UniProt Gene Name	FBLIM1
UniProt Synonym Gene Names	FBLP1; FBLP-1; MIG2-interacting protein
UniProt Entry Name	FBLI1_HUMAN
NCBI Protein Information	filamin-binding LIM protein 1
NCBI Summary for FBLIM1	This gene encodes a protein with an N-terminal filamin-binding domain, a central proline-rich domain, and, multiple C-terminal LIM domains. This protein localizes at cell junctions and may link cell adhesion structures to the actin cytoskeleton. This protein may be involved in the assembly and stabilization of actin-filaments and likely plays a role in modulating cell adhesion, cell morphology and cell motility. This protein also localizes to the nucleus and may affect cardiomyocyte differentiation after binding with the CSX/NKX2-5 transcription factor. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jul 2008]
UniProt Comments for FBLIM1	FBLIM1: Serves as an anchoring site for cell-ECM adhesion proteins and filamin-containing actin filaments. Is implicated in cell shape modulation (spreading) and motility. May participate in the regulation of filamin-mediated cross-linking and stabilization of actin filaments. May also regulate the assembly of filamin- containing signaling complexes that control actin assembly. Promotes dissociation of FLNA from ITGB3 and ITGB7. Promotes activation of integrins and regulates integrin-mediated cell-cell adhesion. 3 isoforms of the human protein are produced by alternative splicing. Protein type: Motility/polarity/chemotaxis Chromosomal Location of Human Ortholog: 1p36.21 Cellular Component: focal adhesion; stress fiber; cell cortex; cytosol Molecular Function: zinc ion binding; filamin binding Biological Process: regulation of cell shape; cell-cell adhesion; regulation of integrin activation
Research Articles on FBLIM1	**1.** the present study emphasizes for the first time to our knowledge the role of Migfilin in osteoarthritis(OA) and highlights the importance of cell-ECM adhesion proteins in OA pathogenesis.
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