Fibulin-5 (FBLN5) Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	Fibulin-5 (FBLN5), Polyclonal Antibody
Full Product Name	Fibulin-5 Polyclonal Antibody
Product Gene Name	anti-FBLN5 antibody
Product Synonym Names	FBLN5; DANCE; Fibulin-5; FIBL-5; Developmental arteries and neural crest EGF-like protein; Dance; Urine p50 protein; UP50
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Purity/Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Specificity	Fibulin-5 Polyclonal Antibody detects endogenous levels of Fibulin-5 protein.
Preparation and Storage	Store at 4 degree C short term. Aliquot and store at -20 degree C long term. Avoid freeze/thaw cycles.
Molecular Weight	50,180 Da
Chromosome Location	Chromosome: 14; NC_000014.8 (92335755..92414046, complement). Location: 14q32.1
OMIM	219100
3D Structure	ModBase 3D Structure for Q9UBX5
Immunogen	Synthesized peptide derived from the Internal region of human Fibulin-5.
Product Categories/Family for anti-FBLN5 antibody	Primary Antibody
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-FBLN5 antibody	Western Blot (WB), ELISA (EIA)
Application Notes for anti-FBLN5 antibody	WB: 1:500-1:2000 ELISA: 1:5000
Related Product Information for anti-FBLN5 antibody	MBS8592223 is an antibody targeting FBLN5. Also known as Fibulin-5 Polyclonal Antibody. Reactive in Human, Mouse, Rat. Host: Rabbit.
Other Notes	Small volumes of anti-FBLN5 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.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for FBLN5. It may not necessarily be applicable to this product.

NCBI GI #	19743803
NCBI GeneID	10516

NCBI Accession #	NP_006320.2
UniProt Primary Accession #	Q9UBX5
UniProt Secondary Accession #	O75966; Q6IAL4; Q6UWA3
UniProt Related Accession #	Q9UBX5
GenBank Nucleotide #	NM_006329.3
NCBI Official Full Name	fibulin-5
NCBI Official Synonym Full Names	fibulin 5
NCBI Official Symbol	FBLN5
NCBI Official Synonym Symbols	EVEC; UP50; ADCL2; ARMD3; DANCE; ARCL1A; FIBL-5
UniProt Protein Name	Fibulin-5
UniProt Synonym Protein Names	Developmental arteries and neural crest EGF-like protein; Dance; Urine p50 protein
Protein Family	Fibulin
UniProt Gene Name	FBLN5
UniProt Synonym Gene Names	DANCE; FIBL-5; Dance; UP50
UniProt Entry Name	FBLN5_HUMAN
NCBI Protein Information	fibulin-5; urine p50 protein; developmental arteries and neural crest EGF-like protein
NCBI Summary for FBLN5	The protein encoded by this gene is a secreted, extracellular matrix protein containing an Arg-Gly-Asp (RGD) motif and calcium-binding EGF-like domains. It promotes adhesion of endothelial cells through interaction of integrins and the RGD motif. It is prominently expressed in developing arteries but less so in adult vessels. However, its expression is reinduced in balloon-injured vessels and atherosclerotic lesions, notably in intimal vascular smooth muscle cells and endothelial cells. Therefore, the protein encoded by this gene may play a role in vascular development and remodeling. Defects in this gene are a cause of autosomal dominant cutis laxa, autosomal recessive cutis laxa type I (CL type I), and age-related macular degeneration type 3 (ARMD3). [provided by RefSeq, Jul 2008]

UniProt Comments for FBLN5	FBLN5: Promotes adhesion of endothelial cells through interaction of integrins and the RGD motif. Could be a vascular ligand for integrin receptors and may play a role in vascular development and remodeling. Defects in FBLN5 are the cause of cutis laxa, autosomal dominant, type 2 (ADCL2). A connective tissue disorder characterized by loose, hyperextensible skin with decreased resilience and elasticity leading to a premature aged appearance. Face, hands, feet, joints, and torso may be differentially affected. Additional variable clinical features are gastrointestinal diverticula, hernia, and genital prolapse. Rare manifestations are pulmonary artery stenosis, aortic aneurysm, bronchiectasis, and emphysema. Defects in FBLN5 are a cause of cutis laxa, autosomal recessive, type 1A (ARCL1A). A connective tissue disorder characterized by loose, hyperextensible skin with decreased resilience and elasticity leading to a premature aged appearance. Face, hands, feet, joints, and torso may be differentially affected. The clinical spectrum of autosomal recessive cutis laxa is highly heterogeneous with respect to organ involvement and severity. Type I autosomal recessive cutis laxa is a specific, life-threatening disorder with organ involvement, lung atelectasis and emphysema, diverticula of the gastrointestinal and genitourinary systems, and vascular anomalies. Associated cranial anomalies, late closure of the fontanel, joint laxity, hip dislocation, and inguinal hernia have been observed but are uncommon. Defects in FBLN5 are the cause of age-related macular degeneration type 3 (ARMD3). ARMD is a multifactorial disease and the most common cause of irreversible vision loss in the developed world. In most patients, the disease is manifest as ophthalmoscopically visible yellowish accumulations of protein and lipid (known as drusen) that lie beneath the retinal pigment epithelium and within an elastin-containing structure known as Bruch membrane. Belongs to the fibulin family. Protein type: Secreted, signal peptide; Secreted Chromosomal Location of Human Ortholog: 14q32.1 Cellular Component: extracellular matrix; extracellular space; proteinaceous extracellular matrix; extracellular region Molecular Function: protein C-terminus binding; integrin binding; protein binding; protein homodimerization activity; calcium ion binding Biological Process: elastic fiber assembly; extracellular matrix organization and biogenesis; secretion; cell-matrix adhesion; regulation of cell growth Disease: Cutis Laxa, Autosomal Dominant 2; Macular Degeneration, Age-related, 3; Cutis Laxa, Autosomal Recessive, Type Ia
Research Articles on FBLN5	**1.** fibulin-5 is reduced in patients with primary spontaneous pneumothorax who are younger than 25 years of age.
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