

ARG42006 anti-FBLN5 / Fibulin 5 antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes FBLN5 / Fibulin 5
Tested Reactivity	Hu, Ms, Rat
Tested Application	ICC/IF, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	FBLN5 / Fibulin 5
Species	Human
Immunogen	Recombinant fusion protein corresponding to aa. 199-448 of Human FBLN5 / Fibulin 5 (NP_006320.2).
Conjugation	Un-conjugated
Alternate Names	Urine p50 protein; FIBL-5; DANCE; Dance; ARMD3; EVEC; Developmental arteries and neural crest EGF-like protein; ARCL1A; Fibulin-5; UP50; ADCL2

Application Instructions

Application table	Application	Dilution
	ICC/IF	1:50 - 1:200
	WB	1:500 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	A549	
Observed Size	~ 70 kDa	

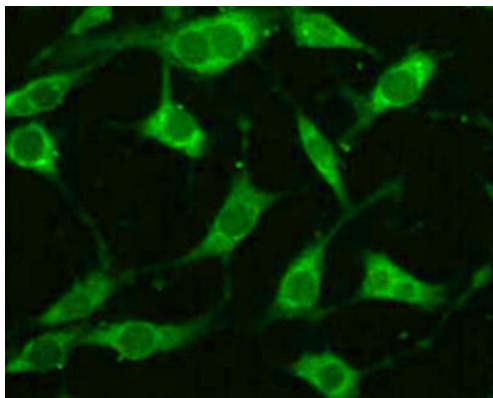
Properties

Form	Liquid
Purification	Affinity purified.
Buffer	PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
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. 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

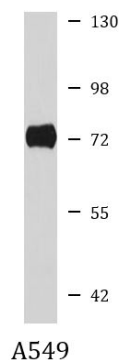
Gene Symbol	FBLN5
Gene Full Name	fibulin 5
Background	The protein encoded by this gene is a secreted, extracellular matrix protein containing an Arg-Gly-Asp (RGD) motif and calcium-binding EGF-like domains. It promotes adhesion of endothelial cells through interaction of integrins and the RGD motif. 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]
Function	Essential for elastic fiber formation, is involved in the assembly of continuous elastin (ELN) polymer and promotes the interaction of microfibrils and ELN. Stabilizes and organizes elastic fibers in the skin, lung and vasculature (By similarity). Promotes adhesion of endothelial cells through interaction of integrins and the RGD motif. Vascular ligand for integrin receptors which may play a role in vascular development and remodeling. [UniProt]
Calculated Mw	50 kDa
PTM	N-glycosylated. [UniProt]
Cellular Localization	Secreted. Secreted, extracellular space, extracellular matrix. Note=co-localizes with ELN in elastic fibers. [UniProt]

Images



ARG42006 anti-FBLN5 / Fibulin 5 antibody ICC/IF image

Immunofluorescence: L929 cells stained with ARG42006 anti-FBLN5 / Fibulin 5 antibody at 1:100 dilution.



ARG42006 anti-FBLN5 / Fibulin 5 antibody WB image

Western blot: 25 µg of A549 cell lysate stained with ARG42006 anti-FBLN5 / Fibulin 5 antibody at 1:1000 dilution.