

Fibulin 4 Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP51178

Product Information

Application	WB, ICC, IHC-P
Primary Accession	O95967
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	49405

Additional Information

Gene ID	30008
Other Names	EGF-containing fibulin-like extracellular matrix protein 2, Fibulin-4, FIBL-4, Protein UPH1, EFEMP2, FBLN4
Dilution	WB~~1:1000 ICC~~N/A IHC-P~~N/A
Format	0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

Name	EFEMP2 (HGNC:3219)
Synonyms	FBLN4
Function	Plays a crucial role in elastic fiber formation in tissue, and in the formation of ultrastructural connections between elastic laminae and smooth muscle cells in the aorta, therefore participates in terminal differentiation and maturation of smooth muscle cell (SMC) and in the mechanical properties and wall integrity maintenance of the aorta (PubMed:27339457). In addition, is involved in the control of collagen fibril assembly in tissue through proteolytic activation of LOX leading to cross- linking of collagen and elastin (By similarity). Also promotes ELN coacervation and participates in the deposition of ELN coacervates on to microfibrils but also regulates ELN cross-linking through LOX interaction (PubMed:18973305, PubMed:19570982). Moreover adheres to the cells through heparin binding in a calcium-dependent manner and regulates vascular smooth muscle cells proliferation through angiotensin signaling (PubMed:23782690).
Cellular Location	Secreted, extracellular space, extracellular matrix Secreted, extracellular space, extracellular matrix, basement membrane

{ECO:0000250|UniProtKB:Q9WVJ9}. Note=Localizes on the microfibrils surrounding ELN cores. {ECO:0000250|UniProtKB:Q9WVJ9}

References

Giltay R.,et al.Matrix Biol. 18:469-480(1999).
Zemel R.,et al.Submitted (SEP-1998) to the EMBL/GenBank/DDBJ databases.
Katsanis N.,et al.Hum. Genet. 106:66-72(2000).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Clark H.F.,et al.Genome Res. 13:2265-2270(2003).

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