

**Fibulin 4 Antibody**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP51178**

**Specification**

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**Fibulin 4 Antibody - Product Information**

Application	WB, ICC, IHC-P, E
Primary Accession	<a href="#">O95967</a>
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	50 KDa

**Fibulin 4 Antibody - Additional Information**

**Gene ID** 30008

**Other Names**

EGF-containing fibulin-like extracellular matrix protein 2, Fibulin-4, FIBL-4, Protein UPH1, EFEMP2, FBLN4

**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

**Fibulin 4 Antibody - 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](http://www.uniprot.org/citations/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](http://www.uniprot.org/citations/18973305), PubMed: [19570982](http://www.uniprot.org/citations/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](http://www.uniprot.org/citations/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}

**Fibulin 4 Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**Fibulin 4 Antibody - Images****Fibulin 4 Antibody - 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).