



# Fibulin 4 Antibody

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP51178

#### **Product Information**

**Application** WB, ICC, IHC-P

Primary Accession 095967

**Reactivity** Human, Mouse

HostRabbitClonalityPolyclonalCalculated MW49405

#### **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 throught proteolytic activation of LOX leading to cross-linking of collagen and elastin (By similarity). Also promotes ELN coacervation and participates in the

(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 vascularlar smooth muscle cells

proliferation through angiotensin signaling (PubMed:23782690).

Cellular Location Secreted, extracellular space, extracellular matrix Secreted, extracellular

space, extracellular matrix, basement membrane

### 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).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.