

**Goat Anti-Fibulin 5 / FBLN5 Antibody**  
Peptide-affinity purified goat antibody  
Catalog # AF1418a

**Specification**

---

**Goat Anti-Fibulin 5 / FBLN5 Antibody - Product Information**

|                   |   |
|-------------------|---|
| Application       | WB  |
| Primary Accession | <a href="#">O9UBX5</a>  |
| Other Accession   | <a href="#">NP_006320</a> , <a href="#">10516</a> , <a href="#">23876 (mouse)</a> , <a href="#">29158 (rat)</a> |
| Reactivity        | Human   |
| Predicted         | Mouse, Rat, Dog   |
| Host              | Goat  |
| Clonality         | Polyclonal  |
| Concentration     | 100ug/200ul   |
| Isotype           | IgG   |
| Calculated MW     | 50180   |

**Goat Anti-Fibulin 5 / FBLN5 Antibody - Additional Information**

**Gene ID** 10516

**Other Names**

Fibulin-5, FIBL-5, Developmental arteries and neural crest EGF-like protein, Dance, Urine p50 protein, UP50, FBLN5, DANCE

**Format**

0.5 mg IgG/ml in Tris saline (20mM Tris pH7.3, 150mM NaCl), 0.02% sodium azide, with 0.5% bovine serum albumin

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

Goat Anti-Fibulin 5 / FBLN5 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**Goat Anti-Fibulin 5 / FBLN5 Antibody - Protein Information**

**Name** FBLN5

**Synonyms** DANCE

**Function**

Essential for elastic fiber formation, is involved in the assembly of continuous elastin (ELN) polymer and promotes the interaction of microfibrils and ELN (PubMed:<a href="http://www.uniprot.org/citations/18185537" target="\_blank">18185537</a>). 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 (PubMed:<a href="http://www.uniprot.org/citations/10428823" target="\_blank">10428823</a>). May act as an adapter that mediates the interaction between FBN1 and ELN (PubMed:<a href="http://www.uniprot.org/citations/17255108" target="\_blank">17255108</a>).

#### Cellular Location

Secreted. Secreted, extracellular space, extracellular matrix. Note=co-localizes with ELN in elastic fibers.

#### Tissue Location

Expressed in skin fibroblasts (at protein level) (PubMed:17035250). Expressed predominantly in heart, ovary, and colon but also in kidney, pancreas, testis, lung and placenta. Not detectable in brain, liver, thymus, prostate, or peripheral blood leukocytes (PubMed:10428823).

### Goat Anti-Fibulin 5 / FBLN5 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](#)

### Goat Anti-Fibulin 5 / FBLN5 Antibody - Images



AF1418a (0.1 µg/ml) staining of Human Ovary lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

### Goat Anti-Fibulin 5 / FBLN5 Antibody - 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).

### **Goat Anti-Fibulin 5 / FBLN5 Antibody - References**

Nogo-B mediates HeLa cell adhesion and motility through binding of Fibulin-5. Zhou S, et al. *Biochem Biophys Res Commun*, 2010 Jul 23. PMID 20599731.

Biophysical characterisation of fibulin-5 proteins associated with disease. Schneider R, et al. *J Mol Biol*, 2010 Aug 27. PMID 20599547.

The role of height-associated loci identified in genome wide association studies in the determination of pediatric stature. Zhao J, et al. *BMC Med Genet*, 2010 Jun 14. PMID 20546612.

Personalized smoking cessation: interactions between nicotine dose, dependence and quit-success genotype score. Rose JE, et al. *Mol Med*, 2010 Jul-Aug. PMID 20379614.

Human variation in alcohol response is influenced by variation in neuronal signaling genes. Joslyn G, et al. *Alcohol Clin Exp Res*, 2010 May. PMID 20201926.