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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	Q9UBX5
Other Accession	NP_006320, 10516, 23876 (mouse), 29158 (rat)
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:18185537). 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:10428823). May act as an adapter that mediates the interaction between FBN1 and ELN (PubMed:17255108).

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 Cytomety
- 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

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