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FBLN5 Antibody (C-term) Blocking Peptide

Synthetic peptide
Catalog # BP18010b

Specification

FBLN5 Antibody (C-term) Blocking Peptide - Product Information

Primary Accession Q9UBX5

FBLN5 Antibody (C-term) Blocking Peptide - 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
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

FBLN5 Antibody (C-term) Blocking Peptide - 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).

FBLN5 Antibody (C-term) Blocking Peptide - Protocols

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

- Blocking Peptides

FBLN5 Antibody (C-term) Blocking Peptide - Images

FBLN5 Antibody (C-term) Blocking Peptide - Background

The protein encoded by this gene is a secreted,extracellular matrix protein containing an Arg-Gly-Asp (RGD) motifand calcium-binding EGF-like domains. It promotes adhesion ofendothelial cells through interaction of integrins and the RGDmotif. It is prominently expressed in developing arteries but lessso in adult vessels. However, its expression is reinduced inballoon-injured vessels and atherosclerotic lesions, notably inintimal vascular smooth muscle cells and endothelial cells.Therefore, the protein encoded by this gene may play a role invascular development and remodeling. Defects in this gene are acause of autosomal dominant cutis laxa, autosomal recessive cutislaxa type I (CL type I), and age-related macular degeneration type3 (ARMD3).

FBLN5 Antibody (C-term) Blocking Peptide - References

Schneider, R., et al. J. Mol. Biol. 401(4):605-617(2010)Zhou, S., et al. Biochem. Biophys. Res. Commun. 398(2):247-253(2010)Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :Joslyn, G., et al. Alcohol. Clin. Exp. Res. 34(5):800-812(2010)Zhao, J., et al. BMC Med. Genet. 11, 96 (2010) :